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》《 2030 案

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|---------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|         |   | E21B43/24, E21F15/00                                                                                                                                                                                                                                                                    |
| 1.1.1.6 |   | :<br>E21B21/08, E21B44/00, E21F17/18                                                                                                                                                                                                                                                    |
| 1.1.1.7 |   | :<br>B03, B07B, B07C5/00;<br>B03B13/00, B07B13/04                                                                                                                                                                                                                                       |
| 1.1.1.8 | 泵 | :<br>F24D3/18, F24D12/02, F24H4/00, F25B30/06                                                                                                                                                                                                                                           |
| 1.1.1.9 | 备 | :<br>E21B43/12, E21B43/16, E21B43/25, E21C25/00, E21C27/00, E21C29/00, E21C31/00, E21C35/00, E21C37/00, E21C39/00, E21F1/00, E21F13/00, E21F17/00                                                                                                                                       |
| 1.1.2   |   |                                                                                                                                                                                                                                                                                         |
| 1.1.2.1 |   | :<br>F01D15/10, F01K23/02, F02C6/00                                                                                                                                                                                                                                                     |
| 1.1.2.2 |   | :<br>F01K7/32, F22B3/08, F22B35/12<br>:<br>F01K25/10                                                                                                                                                                                                                                    |
| 1.1.2.3 |   | :<br>F01K9/00, F01K13/00, F01K17/00, F01K19/00, F02G5/02, F25B27/02                                                                                                                                                                                                                     |
| 1.1.2.4 |   | :<br>H02J3/38                                                                                                                                                                                                                                                                           |
| 1.1.3   |   |                                                                                                                                                                                                                                                                                         |
| 1.1.3.1 | 备 | :<br>F23K1/00;<br>C10J3/00, C10L5/02, C10L9/00, C10L10/00                                                                                                                                                                                                                               |
| 1.1.3.2 |   | :<br>F02B45/02<br>:<br>F23D14/26, F23D14/32, F23D14/58, F23D14/66, F23D23/00, F23L7/00, F23L15/00, F23R3/28, F24V30/00, F27B1/26, F27B1/28, F27B3/28, F27B5/18, F27B7/42, F27B9/40, F27B13/14, F27B14/20, F27D19/00, F27D21/00;<br>F23B10/00, F23B70/00, F23C6/00, F23K3/00, F23N, F23R |

1. 1. 3. 3

:  
C10B53/04

:  
C10B21/00, C10B39/00, C10B41/00, C10B47/00, C10  
B49/00, C10B5/

1. 2. 2

1. 2. 2. 1 :  
C10G1/06, C10G45/00, C10G47/00, C10G49/00, C10G  
65/00, C10G67/00, C10G69/00;

:  
C07C7/163

1. 2. 2. 2 :  
C01B3/00 (NOT: C01B3/04)

:  
C10G11/05, C10G11/14

1. 2. 2. 3 ( 包  
, ) C07C7/04, C07C11/02, F25J3/02;  
C10

1. 2. 3

1. 2. 3. 1 :  
E21B43/12, E21B43/14, E21B43/16, E21B43/25, E21  
B43/34, E21F7/00, E21F17/18;  
I E21

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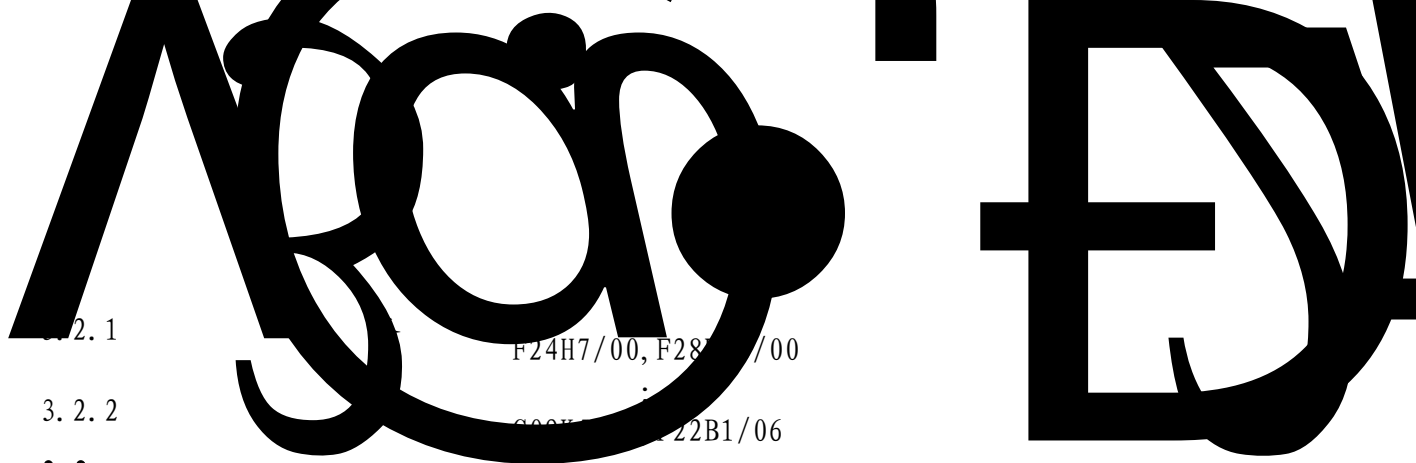
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|------------|----------|--------------------------------------------------------------------------|
|            |          | F02C1/05, F24C9/00, F24D101/40, F24J2/00, F24S                           |
| 2. 2. 2    |          |                                                                          |
| 2. 2. 2. 1 |          | ：<br>H01G9/20, H01M14/00                                                 |
| 2. 2. 2. 2 |          | ：<br>H01L51/42, H10K30/00, H10K39/10                                     |
| 2. 2. 2. 3 |          | ：<br>H01L31/0248                                                         |
| 2. 2. 2. 4 | 、        | ：<br>E04D13/18, H01L31/02, H01L31/04                                     |
| 2. 2. 2. 5 |          | ：<br>H02S                                                                |
| 2. 2. 3    |          | ：<br>F03G6/00                                                            |
| 2. 3       |          |                                                                          |
| 2. 3. 1    |          | ：<br>F03D, H02P101/15                                                    |
| 2. 3. 2    |          | ：<br>F04B17/02                                                           |
| 2. 4       |          |                                                                          |
| 2. 4. 1    | 波        |                                                                          |
| 2. 4. 1. 1 | 波        | ：<br>F03B13/12                                                           |
| 2. 4. 1. 2 | 波        | ：<br>E02B9/08                                                            |
| 2. 4. 2    | ( OTEC ) | ：<br>F03G7/05                                                            |
| 2. 5       |          |                                                                          |
| 2. 5. 1    |          | ：<br>F24J3/08, F24T                                                      |
| 2. 5. 2    |          | ：<br>F03G4/00                                                            |
| 2. 6       |          |                                                                          |
| 2. 6. 1    |          | ：<br>C01B3/00<br>：<br>B01J27/24, C12P3/00, C25B1/00, C25B9/00, C25B15/00 |
| 2. 6. 2    |          |                                                                          |
| 2. 6. 2. 1 |          | ：                                                                        |

F17C

2.6.2.2



3.2.1 F24H7/00, F287/00

3.2.2 :  
G00K/00, F22B1/06

3.3

3.3.1 :  
H01M2/00, H01M4/00, H01M10/00, H01M50/00

3.3.2 :  
H01G11/00

3.3.3 :  
B60K1/04, B60K6/28, B60L50/40, B60L50/50, B60L58/00, B60R16/033, B60R16/04, B60W10/26

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| 4.3     |                   |                                                                                                                                                                                                              |
| 4.3.1   |                   | :<br>F21K9/00, F21Y115/00, H05B33/00, H05B45/00<br>:<br>F21S2/00, F21S4/00, F21S6/00, F21S8/00, F21S9/00, F21S10/00, F21S11/00, F21S13/00, F21S15/00, F21S19/00, F21V, F21Y, H01L33/00, H05B35/00, H05B47/00 |
| 4.3.2   |                   | :<br>F15B9/03, F15B9/17, F15B21/08, F16D27/00, F16D28/00, F16D48/06, H04W52/02                                                                                                                               |
| 4.3.3   |                   | :<br>G01R31/00 (NOT<br>G01R31/01, G01R31/24, G01R31/26, G01R31/34, G01R31/44), G05B19/02, G06Q50/06, H02J3/00, H02J4/00, H02J5/00, H02J13/00;<br>H02B, H02J, H02M;<br>H02J1/00, H02J7/35                     |
| 4.4     |                   |                                                                                                                                                                                                              |
| 4.4.1   |                   | :<br>B05B1/02, B05B1/26, B05B1/28, B05B1/30, B05B1/34, B05B3/00, E02B11/00, E02B13/00                                                                                                                        |
| 4.4.2   |                   | :<br>B05B1/02, B05B1/14, B05B1/26, B05B1/28, B05B1/30, B05B1/34, E03D1/12, E03D1/14                                                                                                                          |
| 4.4.3   | 、                 | :<br>F16K21/02, F16K21/04, F16K23/00, F16K31/18, F16K37/00                                                                                                                                                   |
| 5       | 捕                 |                                                                                                                                                                                                              |
| 5.1     | CO <sub>2</sub> 捕 |                                                                                                                                                                                                              |
| 5.1.1   | 捕                 |                                                                                                                                                                                                              |
| 5.1.1.1 |                   | :<br>B01D53/02, B01J20/00                                                                                                                                                                                    |
| 5.1.1.2 |                   | :<br>B01D53/14                                                                                                                                                                                               |
| 5.1.1.3 | /                 | :<br>F25J3/00                                                                                                                                                                                                |
| 5.1.1.4 |                   | :<br>B01D53/34 (NOT: B01D53/84)                                                                                                                                                                              |

|         |                 |                                                                                                                                                                                                         |
|---------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5.1.1.5 | 捕               | ：<br>B01D53/84                                                                                                                                                                                          |
| 5.1.1.6 | 捕               | ：<br>B01D53/22, B01D53/24, B01D53/26, B01D53/30, B01D53/32, C12M1/00;<br>C01B31/20, C01B31/22, C01B32/50, C01B32/55                                                                                     |
| 5.1.2   |                 |                                                                                                                                                                                                         |
| 5.1.2.1 | CO <sub>2</sub> | ：<br>C01B31/22, C01B32/55, C07C1/12, C07C273/04, C07C51/15, C07C68/04<br>：<br>B29, C01B32/60, C07C263/04, C07C265/00, C07C269/04, C07C271/00, C07C69/96, C07D317/34, C08, C10B53/07, C25B3/04, C25B3/26 |
| 5.1.2.2 |                 | ：<br>B28B11/24, C04                                                                                                                                                                                     |
| 5.1.2.3 |                 | ：<br>C07C29/151, C07C29/153, C07C29/154                                                                                                                                                                 |
| 5.1.2.4 |                 | ：<br>A23L, C12C, C12F3/00, C12G3/00                                                                                                                                                                     |
| 5.1.2.5 |                 | ：<br>A62C13/00, A62D1/00                                                                                                                                                                                |
| 5.1.2.6 |                 | ：<br>F25B, F25D3/12, F25J1/00                                                                                                                                                                           |
| 5.1.3   |                 |                                                                                                                                                                                                         |
| 5.1.3.1 |                 | ：<br>B65G5/00, E21B41/00, E21B43/00, E21F15/08, E21F17/16                                                                                                                                               |
| 5.1.3.2 |                 | ：<br>F17C1/00, F17C3/00                                                                                                                                                                                 |
| 5.1.3.3 |                 | ：<br>G01M, G01N                                                                                                                                                                                         |
| 5.1.3.4 |                 | ：<br>C01B31/20, C01B31/22, C01B32/50, C01B32/55                                                                                                                                                         |
| 5.2     |                 |                                                                                                                                                                                                         |
| 5.2.1   |                 | ：<br>B01D15/00, B01D46/00, B01D53/00, B01J20/00, G01N30/00                                                                                                                                              |
| 5.2.2   |                 | ：<br>B01D15/00, B01D46/00, B01D53/00, B01J20/00, G01                                                                                                                                                    |

N30/00

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B01D15/00, B01D46/00, B01D53/00, B01J20/00, G01  
N30/00

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F01K5/00, F02B41/10, F02M26/00, F24D1/04

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1J25/00, B01J27/00, B01J29/00, B01J31/00, C01B3  
7/00, C01B39/00, C08F4/00, C09C1/00, C09C3/00, C  
09K3/22, (C09K23/00 NOT C09K23/50)

7.1.2

|       |     |                                                                                                                                                                                                                                                                                                |
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| 8.2   |     |                                                                                                                                                                                                                                                                                                |
| 8.2.1 | (包) | ：<br>A62D3/00, B08B15/00, B08B17/00, G21F9/00                                                                                                                                                                                                                                                  |
| 8.2.2 |     | ：<br>B01D45/00, B01D46/00, B01D47/00, B01D49/00, B01D50/00, B01D53/00, B03C1/00, B03C3/00, B60W20/16, C01B17/60, C21B5/06, C21B7/22, E21F5/00, F01N3/00, F02B75/10, F23G7/06                                                                                                                   |
| 8.2.3 | (包) | ：<br>A61L11/00, B09B1/00, B09B3/00, B09B5/00, B65B55/24, C04B7/14, C04B7/24, C04B18/00, C05F1/00, C05F3/00, C05F5/00, C05F7/00, C05F9/00, C05F15/00, C09K11/01, C10G1/10, C10G17/10, C10G19/08, C10G25/12, C11B13/00, C11D19/00, C14C3/32, C22B7/00, C22B19/30, C22B25/06, E01H1/00, H01B15/00 |
| 8.2.4 |     | ：<br>A01G11/00, B09C, E02D3/00, F23G7/14                                                                                                                                                                                                                                                       |
| 8.2.5 |     | ：<br>C02F                                                                                                                                                                                                                                                                                      |
| 9     |     |                                                                                                                                                                                                                                                                                                |
| 9.1   |     |                                                                                                                                                                                                                                                                                                |
| 9.1.1 |     | ：<br>B60L8/00, B60L9/00, B60L11/00, B60L15/00, B60L50                                                                                                                                                                                                                                          |
| 9.1.2 | 安   | ：<br>B60K1/00 NOT B60K1/04, B60K6/00 NOT (B60K6/28 OR B60K6/30), B60K11/00, B60K16/00, B60K17/00                                                                                                                                                                                               |
| 9.1.3 |     | ：<br>H02K1, H02K3, H02K9, H02K16, H02K17, H02K19, H02K21, H02K25, H02K29/06                                                                                                                                                                                                                    |
| 9.1.4 |     | ：<br>B60W10/00 NOT B60W10/26, B60W20/00 NOT B60W20/16                                                                                                                                                                                                                                          |
| 9.2   | 、   |                                                                                                                                                                                                                                                                                                |
| 9.2.1 | 、   | ：<br>B60L53, B60S5/02, B60S5/06, F17C, H02J7                                                                                                                                                                                                                                                   |
| 9.3   |     |                                                                                                                                                                                                                                                                                                |
| 9.3.1 |     | ：                                                                                                                                                                                                                                                                                              |

|         |                  |                                                                                                                                               |
|---------|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
|         | ( 氨 )            | F02B, F02D, F02M                                                                                                                              |
| 9. 4    |                  |                                                                                                                                               |
| 9. 4. 1 |                  | ：<br>B61D, B61F3/14, B61H9/06, B61L                                                                                                           |
| 9. 4. 2 | 舶                | ：<br>B63B1/16, B63B1/34, B63B1/40, B63B3/24, B63H8/40, B63H9, B63H11/103, B63H13, B63H19/02-04, B63H19/06, B63H21/18                          |
| 9. 4. 3 |                  | ：<br>B64C27/30, B64D27/22, B64D27/24                                                                                                          |
| 10      | /                |                                                                                                                                               |
| 10. 1   |                  | ：<br>A01C23/04, A01G25/00, A01G27/00, A01G29/00, E02B13/00                                                                                    |
| 10. 2   |                  | ：<br>A01M1/00, A01M3/00, A01M5/00, A01M7/00, A01M9/00, A01M11/00, A01M13/00, A01M15/00, A01M17/00, A01M19/00, A01N25/32, A01N63/00, A01N65/00 |
| 10. 3   |                  | ：<br>(C05G3/00 NOT C05G3/02), (C05G3/00 NOT C05G3/60), C09K17/00                                                                              |
| 11      |                  |                                                                                                                                               |
| 11. 1   |                  | ：<br>C09D7/00, E04B1/76, E04B1/88, E04D13/16, E04F13/075, E04F15/18, E06B1/00, E06B3/00, E06B5/00, F24F                                       |
| 12      |                  |                                                                                                                                               |
| 12. 1   | 、<br>(HOV)、<br>办 | ：<br>H04L29/00, H04L67/00, G06Q, G07C1/00, G08G                                                                                               |
| 12. 2   |                  | ：<br>G06Q30/00, G06Q40/00, G06Q50/00                                                                                                          |
| 12. 3   | 、                | ：<br>E04B1/00, E04H1/00, E04H3/00                                                                                                             |

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| E02D17/20, E02D19/06                        | ( OR COAL) (2N) ( OR<br>OR OR EXCAVAT* OR<br>MINE OR MINING OR<br>PRODUCTING)                                                        | PDY=[2016 TO 2025] AND (IPCM-LOW=(E02D17/20<br>OR E02D19/06) AND TIABC=(( OR COAL) (2N)<br>( OR OR OR EXCAVAT* OR MINE OR<br>MINING OR PRODUCTING)))                                                                     |
| E21C41/16, E21F15/00,<br>E21F17/00          | ( OR COAL) AND (((<br>OR WATER) (2N) PRESERV*)<br>OR 保 OR<br>WATER-PRESERVED OR<br>AQUIFER-PROTECTIVE OR<br>(AQUIFER (2N) PROTECT*)) | PDY=[2016 TO 2025] AND (IPCM-LOW=(E21C41/16<br>OR E21F15/00 OR E21F17/00) AND TIABC=((<br>OR COAL) AND ((( OR WATER) (2N) PRESERV*)<br>OR 保 OR WATER-PRESERVED OR<br>AQUIFER-PROTECTIVE OR (AQUIFER (2N)<br>PROTECT*)))) |
| E21C41/18, E21C41/28,<br>E21C47/02          |                                                                                                                                      | PDY=[2016 TO 2025] AND IPCM-LOW=(E21C41/18<br>OR E21C41/28 OR E21C47/02)                                                                                                                                                 |
| B01D21/01, C02F1/48, C<br>02F1/52, C02F9/00 | ( OR COAL) (2N) ( OR<br>OR OR EXCAVAT* OR<br>MINE OR MINING OR<br>PRODUCTING)                                                        | PDY=[2016 TO 2025] AND (IPCM-LOW=(B01D21/01<br>OR C02F1/48 <del>OR C02F1/52 OR C02F9/00</del> ) (AND<br>TIABC=(( <del>OR COAL</del> ) (2N) ( <del>OR</del> _____                                                         |

1.1.1.2

1.1.1.3

|              |                                                                                                                                              |                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|              | E21C41/16                                                                                                                                    | ( OR COAL) (S) ( OR GAS OR GASIFICATION OR GASIFYING OR GASIFIED)                                                                                                                                  | PDY=[2016 TO 2025] AND (IPCM-LOW=E21C41/16 AND TIABC=(( OR COAL) (S) ( OR GAS OR GASIFICATION OR GASIFYING OR GASIFIED)))                                                                                                                                                                                                                                                                      |
| 1. 1. 1. 5   | E21B43/24, E21F15/00                                                                                                                         | OR COAL                                                                                                                                                                                            | PDY=[2016 TO 2025] AND (IPCM-LOW=(E21B43/24 OR E21F15/00) AND TIABC=( OR COAL))                                                                                                                                                                                                                                                                                                                |
| 1. 1. 1. 6   | E21B21/08, E21B44/00, E21F17/18                                                                                                              | OR COAL                                                                                                                                                                                            | PDY=[2016 TO 2025] AND (IPCM-LOW=(E21B21/08 OR E21B44/00 OR E21F17/18) AND TIABC=( OR COAL))                                                                                                                                                                                                                                                                                                   |
| 1. 1. 1. 7   | B03, B07B, B07C5/00                                                                                                                          | ( OR COAL) AND ( OR OR OR CONTROL* OR INTELLIGENT*)                                                                                                                                                | PDY=[2016 TO 2025] AND (IPCM-LOW=(B03 OR B07B OR B07C5/00) AND TIABC=(( OR COAL) AND ( OR OR OR CONTROL* OR INTELLIGENT*)))                                                                                                                                                                                                                                                                    |
|              | B03B13/00, B07B13/04                                                                                                                         | OR COAL                                                                                                                                                                                            | PDY=[2016 TO 2025] AND (IPCM-LOW=(B03B13/00 OR B07B13/04) AND TIABC=( OR COAL))                                                                                                                                                                                                                                                                                                                |
| 1. 1. 1. 8 泵 | F24D3/18, F24D12/02, F24H4/00, F25B30/06                                                                                                     | ( OR COAL) (2N) ( OR OR OR EXCAVAT* OR MINE OR MINING OR PRODUCTING)                                                                                                                               | PDY=[2016 TO 2025] AND (IPCM-LOW=(F24D3/18 OR F24D12/02 OR F24H4/00 OR F25B30/06) AND TIABC=(( OR COAL) (2N) ( OR OR OR EXCAVAT* OR MINE OR MINING OR PRODUCTING)))                                                                                                                                                                                                                            |
| 1. 1. 1. 9 备 | E21B43/12, E21B43/16, E21B43/25, E21C25/00, E21C27/00, E21C29/00, E21C31/00, E21C35/00, E21C37/00, E21C39/00, E21F1/00, E21F13/00, E21F17/00 | (( OR COAL) (2N) ( OR OR OR EXCAVAT* OR MINE OR MINING OR PRODUCTING)) AND ( OR OR OR OR OR SAV* OR ENERGY OR ECONOMIZ* OR RETRENCH* OR RECYCL* OR CLEAN* OR SUBSTITUT* OR ALTERNATIVE OR GREEN OR | PDY=[2016 TO 2025] AND (IPCM-LOW=(E21B43/12 OR E21B43/16 OR E21B43/25 OR E21C25/00 OR E21C27/00 OR E21C29/00 OR E21C31/00 OR E21C35/00 OR E21C37/00 OR E21C39/00 OR E21F1/00 OR E21F13/00 OR E21F17/00) AND TIABC=(( ( OR COAL) (2N) ( OR OR OR EXCAVAT* OR MINE OR MINING OR PRODUCTING)) AND ( OR OR OR OR OR SAV* OR ENERGY OR ECONOMIZ* OR RETRENCH* OR RECYCL* OR CLEAN* OR SUBSTITUT* OR |



|              |                                         |                                                                                                                                                                                     |                                                                                                                                                                                                                                    |
|--------------|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|              |                                         | POLYGENERATION                                                                                                                                                                      | OR OR OR OR<br>COGENERATION OR POLYGENERATION))                                                                                                                                                                                    |
| 1. 1. 2. 4   | H02J3/38                                | OR OR OR<br>OR OR OR<br>OR SAV* OR ENERGY OR<br>ECONOMIZ* OR RETRENCH*<br>OR RECYCL* OR CLEAN* OR<br>SUBSTITUT* OR<br>ALTERNATIVE OR GREEN OR<br>( (LOW* OR REDUC*) (2N)<br>CARBON) | PDY=[2016 TO 2025] AND (IPCM-LOW=H02J3/38<br>AND TIABC=( OR OR OR OR<br>OR OR OR SAV* OR ENERGY OR<br>ECONOMIZ* OR RETRENCH* OR RECYCL* OR CLEAN*<br>OR SUBSTITUT* OR ALTERNATIVE OR GREEN OR<br>( (LOW* OR REDUC*) (2N) CARBON))) |
| 1. 1. 3      |                                         |                                                                                                                                                                                     |                                                                                                                                                                                                                                    |
| 1. 1. 3. 1 备 | F23K1/00                                | OR OR OR<br>OR OR OR<br>OR SAV* OR ENERGY OR<br>ECONOMIZ* OR RETRENCH*<br>OR RECYCL* OR CLEAN* OR<br>SUBSTITUT* OR<br>ALTERNATIVE OR GREEN OR<br>( (LOW* OR REDUC*) (2N)<br>CARBON) | PDY=[2016 TO 2025] AND (IPCM-LOW=F23K1/00<br>AND TIABC=( OR OR OR OR<br>OR OR OR SAV* OR ENERGY OR<br>ECONOMIZ* OR RETRENCH* OR RECYCL* OR CLEAN*<br>OR SUBSTITUT* OR ALTERNATIVE OR GREEN OR<br>( (LOW* OR REDUC*) (2N) CARBON))) |
|              | C10J3/00, C10L5/02, C10L9/00, C10L10/00 | OR COAL                                                                                                                                                                             | PDY=[2016 TO 2025] AND (IPCM-LOW=(C10J3/00<br>OR C10L5/02 OR C10L9/00 OR C10L10/00) AND<br>TIABC=( OR COAL))                                                                                                                       |
| 1. 1. 3. 2   | F02B45/02                               |                                                                                                                                                                                     | PDY=[2016 TO 2025] AND IPCM-LOW=F02B45/02                                                                                                                                                                                          |

|            |                                                                                                                                                                                                         |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            | F23D14/26, F23D14/32, F23D14/58, F23D14/66, F23D23/00, F23L7/00, F23L15/00, F23R3/28, F24V30/00, F27B1/26, F27B1/28, F27B3/28, F27B5/18, F27B7/42, F27B9/40, F27B13/14, F27B14/20, F27D19/00, F27D21/00 | OR COAL                                                                                                                                                                            | PDY=[2016 TO 2025] AND (IPCM-LOW=(F23D14/26 OR F23D14/32 OR F23D14/58 OR F23D14/66 OR F23D23/00 OR F23L7/00 OR F23L15/00 OR F23R3/28 OR F24V30/00 OR F27B1/26 OR F27B1/28 OR F27B3/28 OR F27B5/18 OR F27B7/42 OR F27B9/40 OR F27B13/14 OR F27B14/20 OR F27D19/00 OR F27D21/00) AND TIABC=( OR COAL))           |
|            | F23B10/00, F23B70/00, F23C6/00, F23K3/00, F23N, F23R                                                                                                                                                    | NOT: OR OR<br>OR OR<br>OR STRAW OR BIOMASS OR (SOLID (1W) WASTE) OR GARBAGE OR REFUSE OR RUBBISH                                                                                   | PDY=[2016 TO 2025] AND (IPCM-LOW=(F23B10/00 OR F23B70/00 OR F23C6/00 OR F23K3/00 OR F23N OR F23R) AND TIABC=(NOT: OR OR OR OR OR OR STRAW OR BIOMASS OR (SOLID (1W) WASTE) OR GARBAGE OR REFUSE OR RUBBISH))                                                                                                   |
| 1. 1. 3. 3 | C10B53/04                                                                                                                                                                                               |                                                                                                                                                                                    | PDY=[2016 TO 2025] AND IPCM-LOW=C10B53/04                                                                                                                                                                                                                                                                      |
|            | C10B21/00, C10B39/00, C10B41/00, C10B47/00, C10B49/00, C10B55/00, C10B57/00                                                                                                                             | ( OR COAL) AND ( OR OR OR<br>OR OR OR<br>OR SAV* OR ENERGY OR ECONOMIZ* OR RETRENCH* OR RECYCL* OR CLEAN* OR SUBSTITUT* OR ALTERNATIVE OR GREEN OR ((LOW* OR REDUC*) (2N) CARBON)) | PDY=[2016 TO 2025] AND (IPCM-LOW=(C10B21/00 OR C10B39/00 OR C10B41/00 OR C10B47/00 OR C10B49/00 OR C10B55/00 OR C10B57/00) AND TIABC=(( OR COAL) AND ( OR OR OR OR OR SAV* OR ENERGY OR ECONOMIZ* OR RETRENCH* OR RECYCL* OR CLEAN* OR SUBSTITUT* OR ALTERNATIVE OR GREEN OR ((LOW* OR REDUC*) (2N) CARBON)))) |

|               |                                                                                                                 |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                  |
|---------------|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. 1. 3. 4    | B01D53/00, F23J15/02                                                                                            | OR COAL                                                                                                                                                                            | PDY=[2016 TO 2025] AND (IPCM-LOW=(B01D53/00 OR F23J15/02) AND TIABC=( OR COAL))                                                                                                                                                                                                                                                                  |
|               | C21C5/38                                                                                                        | OR OR OR<br>OR OR OR<br>OR SAV* OR ENERGY OR<br>ECONOMIZ* OR RETRENCH*<br>OR RECYCL* OR CLEAN* OR<br>SUBSTITUT* OR<br>ALTERNATIVE OR GREEN OR<br>((LOW* OR REDUC*) (2N)<br>CARBON) | PDY=[2016 TO 2025] AND (IPCM-LOW=C21C5/38<br>AND TIABC=( OR OR OR OR<br>OR OR OR SAV* OR ENERGY OR<br>ECONOMIZ* OR RETRENCH* OR RECYCL* OR CLEAN*<br>OR SUBSTITUT* OR ALTERNATIVE OR GREEN OR<br>((LOW* OR REDUC*) (2N) CARBON)))                                                                                                                |
| 1. 1. 3. 5    | C21B13/00, C22B1/16, C<br>22B15/02, C22B15/04, C<br>22B15/06, F23C9/00, F2<br>3C99/00, F25B27/02, F2<br>5B29/00 | OR OR OR<br>OR OR OR<br>OR SAV* OR ENERGY OR<br>ECONOMIZ* OR RETRENCH*<br>OR RECYCL* OR CLEAN* OR<br>SUBSTITUT* OR<br>ALTERNATIVE OR GREEN OR<br>((LOW* OR REDUC*) (2N)<br>CARBON) | PDY=[2016 TO 2025] AND (IPCM-LOW=(C21B13/00<br>OR C22B1/16 OR C22B15/02 OR C22B15/04 OR<br>C22B15/06 OR F23C9/00 OR F23C99/00 OR<br>F25B27/02 OR F25B29/00) AND TIABC=( OR<br>OR OR OR OR<br>OR SAV* OR ENERGY OR ECONOMIZ* OR<br>RETRENCH* OR RECYCL* OR CLEAN* OR SUBSTITUT*<br>OR ALTERNATIVE OR GREEN OR ((LOW* OR REDUC*)<br>(2N) CARBON))) |
| 1. 1. 4 ( , ) |                                                                                                                 |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                  |
| 1. 1. 4. 1    | C10L1/00                                                                                                        | ( OR COAL) AND (<br>OR OR OR<br>OR OR OR<br>OR SAV* OR ENERGY OR<br>ECONOMIZ* OR RETRENCH*<br>OR RECYCL* OR CLEAN* OR                                                              | PDY=[2016 TO 2025] AND (IPCM-LOW=C10L1/00<br>AND TIABC=(( OR COAL) AND ( OR<br>OR OR OR OR OR<br>OR SAV* OR ENERGY OR ECONOMIZ* OR RETRENCH*<br>OR RECYCL* OR CLEAN* OR SUBSTITUT* OR<br>ALTERNATIVE OR GREEN OR ((DECREAS* OR LOW*                                                                                                              |

|                        |                                                                                                                                                                                                |                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                           |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                        |                                                                                                                                                                                                | SUBSTITUT* OR<br>ALTERNATIVE OR GREEN OR<br>((DECREAS* OR LOW* OR<br>REDUC*) (2N) CARBON))                                                                                               | OR REDUC*) (2N) CARBON)))))                                                                                                                                                                                                                                                               |
| 1. 1. 4. 2<br>, , (包 ) | C07C2/06, C07C2/40, C07C2/44, C07C2/54, C07C2/74, C07C11/02, C07C11/12, C07C11/21, C07C15/00, C07C25/00, C07C31/04, C10G1/00, C10G45/00, C10G47/00, C10G49/00, C10G65/00, C10G67/00, C10G69/00 | OR COAL                                                                                                                                                                                  | PDY=[2016 TO 2025] AND (IPCM-LOW=(C07C2/06 OR C07C2/40 OR C07C2/44 OR C07C2/54 OR C07C2/74 OR C07C11/02 OR C07C11/12 OR C07C11/21 OR C07C15/00 OR C07C25/00 OR C07C31/04 OR C10G1/00 OR C10G45/00 OR C10G47/00 OR C10G49/00 OR C10G65/00 OR C10G67/00 OR C10G69/00) AND TIABC=( OR COAL)) |
|                        | C07C                                                                                                                                                                                           | ( OR COAL) AND ( OR OR OR OR OR OR OR SAV* OR ENERGY OR ECONOMIZ* OR RETRENCH* OR RECYCL* OR CLEAN* OR SUBSTITUT* OR ALTERNATIVE OR GREEN OR ((DECREAS* OR LOW* OR REDUC*) (2N) CARBON)) | PDY=[2016 TO 2025] AND (IPCM-LOW=C07C AND TIABC=(( OR COAL) AND ( OR OR OR OR OR OR OR SAV* OR ENERGY OR ECONOMIZ* OR RETRENCH* OR RECYCL* OR CLEAN* OR SUBSTITUT* OR ALTERNATIVE OR GREEN OR ((DECREAS* OR LOW* OR REDUC*) (2N) CARBON)))))                                              |

1. 1. 4. 3

C10B,C10J3/00,C10L3/  
00

( OR COAL) AND ( OR OR OR OR OR OR OR SAV\* OR ENERGY OR ECONOMIZ\* OR RETRENCH\* OR RECYCL\* OR CLEAN\* OR SUBSTITUT\* OR ALTERNATIVE OR GREEN OR ((DECREAS\* OR LOW\* OR REDUC\*) (2N) CARBON))

PDY=[2016 TO 2025] AND (IPCM-LOW=(C10B OR C10J3/00 OR C10L3/00) AND TIABC=(( OR COAL) AND ( OR OR OR OR OR OR SAV\* OR ENERGY OR ECONOMIZ\* OR RETRENCH\* OR RECYCL\* OR CLEAN\* OR SUBSTITUT\* OR ALTERNATIVE OR GREEN OR ((DECREAS\* OR LOW\* OR REDUC\*) (2N) CARBON))))

1. 2

1. 2. 1

1. 2. 1. 1

E21B43/12, E21B43/16,  
E21B43/25, E21B43/34

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IPC1RB0

|            |           |                                                                           |                                                                                                                                                                   |
|------------|-----------|---------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            |           | CRUDE) OR OIL OR OR ( and ( or or )) ) AND ("CO2" OR OR (CARBON DIOXIDE)) | OIL OR (SHALE (2N) OIL) OR ( and ( or or )) ) AND ("CO2" OR OR (CARBON DIOXIDE)))                                                                                 |
|            | E21B43/22 | "CO2" OR OR (CARBON DIOXIDE)                                              | PDY=[2016 TO 2025] AND (IPCM-LOW=E21B43/22 AND TIABC=("CO2" OR OR (CARBON DIOXIDE)))                                                                              |
| 1. 2. 1. 3 | E21F7/00  | OR OR OR OR PETROLEUM OR PETRO CRUDE OR OIL OR (SHALE (1N) OIL)           | PDY=[2016 TO 2025] AND (IPCM-LOW=E21F7/00 AND TIABC=( OR OR OR OR PETROLEUM OR PETRO CRUDE OR OIL OR (SHALE (2N) OIL)))                                           |
| 1. 2. 1. 4 | E21B43/00 | OR OR CONTROL*                                                            | PDY=[2016 TO 2025] AND (IPC-LOW=E21B43/00 AND TIABC=( OR OR OR OR PETROLEUM OR PETRO CRUDE OR OIL OR (SHALE (2N) OIL)) AND TIAB=( OR OR OR DETECT* OR CONTROL* )) |
|            | E21B43/00 | OR OR OR OR PETROLEUM OR PETRO CRUDE OR OIL OR (SHALE (1N) OIL)           |                                                                                                                                                                   |

1. 2. 1. 5

E21B

( OR OR  
OR OR OR  
PETRO LUM OR PETRO CRUDE  
OR OIL OR (SH ALE (1N)  
OIL) (3N) ( OR  
MINING OR  
DRIV\* OR D PLAC\*) AND  
( OR OR  
OR OR OR  
OR OR AV\* OR  
ENERGY OR ON\* OR  
RETRENCH\* RECYCL\*  
CLEAN\* OR BSTITUT\*  
ALTERNATIVE OR GREE \*

1 2 2 R

1. 2. 2. 3

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( 包  
)

C10G11/05, C10G11/14

C07C7/04, C07C11/02, F  
25J3/02

C10

OR PETROLEUM OR  
OR CRUDE OR OIL

OR OR OR  
OR OR OR  
OR SAV\* OR ENERGY OR  
ECONOMIZ\* OR RETRENCH\*  
OR RECYCL\* OR CLEAN\* OR  
SUBSTITUT\* OR  
ALTERNATIVE OR GREEN OR  
( (LOW\* OR REDUC\*) (2N)  
CARBON)

PDY=[2016 TO 2025] AND IPCM-LOW=(C10G11/05  
OR C10G11/14)

PDY=[2016 TO 2025] AND (IPCM-LOW=(C07C7/04  
OR C07C11/02 OR F25J3/02) AND TIABC=( OR  
PETROLEUM OR OR CRUDE OR OIL))

PDY=[2016 TO 2025] AND (IPCM-LOW=C10 AND  
TIABC=( OR OR OR OR  
OR OR OR SAV\* OR ENERGY OR  
ECONOMIZ\* OR RETRENCH\* OR RECYCL\* OR CLEAN\*  
OR



|             |                                                 |                                                           |                                                                                                                               |
|-------------|-------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| 2. 1. 1. 2  | E02B9/00 (NOT: E02B9/08)                        |                                                           | PDY=[2016 TO 2025] AND (IPCM-LOW=(E02B9/00 NOT E02B9/08))                                                                     |
| 2. 1. 2     | F03B7/00, F03B17/02 (NOT: F03B17/04), F03B17/06 |                                                           | PDY=[2016 TO 2025] AND (IPCM-LOW=(F03B7/00 OR (F03B17/02 NOT F03B17/04) OR F03B17/06))                                        |
| <b>2. 2</b> |                                                 |                                                           |                                                                                                                               |
| 2. 2. 1     | F02C1/05, F24C9/00, F24D101/40, F24J2/00, F24S  |                                                           | PDY=[2016 TO 2025] AND (IPCM-LOW=(F02C1/05 OR F24C9/00 OR F24D101/40 OR F24J2/00 OR F24S))                                    |
| 2. 2. 2     |                                                 |                                                           |                                                                                                                               |
| 2. 2. 2. 1  | H01G9/20, H01M14/00                             | OR OR<br>OR SOLAR OR<br>PHOTOVOLTAIC OR<br>DYE-SENSITIZED | PDY=[2016 TO 2025] AND (IPCM-LOW=(H01G9/20 OR H01M14/00) AND TIABC=( OR OR<br>OR SOLAR OR PHOTOVOLTAIC OR<br>DYE-SENSITIZED)) |
| 2. 2. 2. 2  | H01L51/42, H10K30/00, H10K39/10                 |                                                           | PDY=[2016 TO 2025] AND IPCM-LOW=(H01L51/42 OR H10K30/00 OR H10K39/10)                                                         |
| 2. 2. 2. 3  | H01L31/0248                                     |                                                           | PDY=[2016 TO 2025] AND<br>IPCM-LOW=(H01L31/0248)                                                                              |
| 2. 2. 2. 4  | 、 E04D13/18, H01L31/02,                         |                                                           | PDY=[2016 TO 2025] AND IPCM-LOW=(E04D13/18                                                                                    |
| 、           | H01L31/04                                       |                                                           | OR H01L31/02 OR H01L31/04)                                                                                                    |
| 2. 2. 2. 5  | H02S                                            |                                                           | PDY=[2016 TO 2025] AND (IPCM-LOW=(H02S))                                                                                      |
| 2. 2. 3     | F03D6/002                                       |                                                           | PDY=[2016 TO 2025] AND<br>(IPCM-LOW=(F03G6/00))                                                                               |
| <b>2. 3</b> |                                                 |                                                           |                                                                                                                               |

## 2.4

### 2.4.1

波

#### 2.4.1.1

波

F03B13/12

PDY=[2016 TO 2025] AND  
(IPCM-LOW=(F03B13/12))

#### 2.4.1.2

波

E02B9/08

PDY=[2016 TO 2025] AND  
(IPCM-LOW=(E02B9/08))

### 2.4.2

( OTEC ) F03G7/05

PDY=[2016 TO 2025] AND  
(IPCM-LOW=(F03G7/05))

## 2.5

### 2.5.1

F24J3/08, F24T

PDY=[2016 TO 2025] AND (IPCM-LOW=(F24J3/08  
OR F24T))

### 2.5.2

F03G4/00

PDY=[2016 TO 2025] AND  
(IPCM-LOW=(F03G4/00))

## 2.6

### 2.6.1

B01J27/24, C12P3/00, C  
25B1/00, C25B9/00, C25  
B15/00

OR HYDROGEN OR "H2"

PDY=[2016 TO 2025] AND (IPCM-LOW=(B01J27/24  
OR C12P3/00 OR C25B1/00 OR C25B9/00 OR  
C25B1-

|            |                                                                                                                          |                                                               |                                                                                                                                                                                                        |
|------------|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            | B01J20/00, C01B31/00, C01B32/00                                                                                          | OR (1W) ) OR HYDROGEN (3N) (STORAGE OR ABSORB*)               | (IPCM-LOW=(F25B17/12))<br>PDY=[2016 TO 2025] AND (IPCM-LOW=(B01J20/00 OR C01B31/00 OR C01B32/00) AND TIABC=( OR (1W) ) OR HYDROGEN (3N) (STORAGE OR ABSORB*) ) )                                       |
| 2. 6. 2. 4 | C08G18/00, C08G59/00, C08G77/00, C08K3/00, C08K5/00, C08L63/00, C08L83/00, C08L101/00                                    | OR (1W) ) OR HYDROGEN (3N) (STORAGE OR ABSORB*)               | PDY=[2016 TO 2025] AND (IPCM-LOW=(C08G18/00 OR C08G59/00 OR C08G77/00 OR C08K3/00 OR C08K5/00 OR C08L63/00 OR C08L83/00 OR C08L101/00) AND TIABC=( OR (1W) ) OR HYDROGEN (3N) (STORAGE OR ABSORB*) ) ) |
| 2. 6. 3    | H01M4/86, H01M8/00, H01M12/00                                                                                            | OR OR HYDROGEN OR PEMFC OR (PROTON EXCHANGE MEMBRANE) OR "H2" | PDY=[2016 TO 2025] AND (IPCM-LOW=(H01M4/86 OR H01M8/00 OR H01M12/00) AND TIABC=( OR OR HYDROGEN OR PEMFC OR (PROTON EXCHANGE MEMBRANE) OR "H2"))                                                       |
| 2. 6. 4    | F25J1/02                                                                                                                 |                                                               | PDY=[2016 TO 2025] AND (IPCM-LOW=(F25J1/02))                                                                                                                                                           |
| 2. 7       |                                                                                                                          |                                                               |                                                                                                                                                                                                        |
| 2. 7. 1    | C10G1/00 (NOT: C10G1/10), C10L1/02, C10L3/00 (NOT: C10L3/02, C10L3/04, C10L3/06, C10L3/10, C10L3/12), C10L5/40, C12P7/06 |                                                               | PDY=[2016 TO 2025] AND (IPCM-LOW=(C10G1/00 OR C10L1/02 OR C10L3/00 OR C10L5/40 OR C12P7/06) NOT IPCM-LOW=(C10G1/10 OR C10L3/02 OR C10L3/04 OR C10L3/06 OR C10L3/10 OR C10L3/12))                       |
| 2. 7. 2    | C02F11/04, C12M1/107                                                                                                     |                                                               | PDY=[2016 TO 2025] AND (IPCM-LOW=(C02F11/04 OR C12M1/107))                                                                                                                                             |
| 2. 7. 3    |                                                                                                                          |                                                               |                                                                                                                                                                                                        |

|            |   |                                                                                                                           |                                                                                                                                                                                     |
|------------|---|---------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>2.8</b> |   |                                                                                                                           |                                                                                                                                                                                     |
| 2.8.1      | 变 | G21B                                                                                                                      | PDY=[2016 TO 2025] AND (IPCM-LOW=(G21B))                                                                                                                                            |
| 2.8.2      | 变 | G21C                                                                                                                      | PDY=[2016 TO 2025] AND (IPCM-LOW=(G21C))                                                                                                                                            |
| 2.8.3      |   | G21H, G21J3/00                                                                                                            | PDY=[2016 TO 2025] AND (IPCM-LOW=(G21H OR G21J3/00))                                                                                                                                |
| 2.8.4      |   | G21D                                                                                                                      | PDY=[2016 TO 2025] AND (IPCM-LOW=(G21D))                                                                                                                                            |
| <b>3</b>   |   |                                                                                                                           |                                                                                                                                                                                     |
| <b>3.1</b> |   |                                                                                                                           |                                                                                                                                                                                     |
| 3.1.1      |   | F02C6/16, F04B41/02                                                                                                       | PDY=[2016 TO 2025] AND (IPCM-LOW=(F02C6/16 OR F04B41/02))                                                                                                                           |
| 3.1.2      |   | B60K6/10, B60K6/12, B60K6/30, B60L50/30, H02J1/16, F03D9/12, F03G7/08, F16H33/02, H02J3/28, H02J3/30, H02J15/00, H02K7/02 | PDY=[2016 TO 2025] AND (IPCM-LOW=(B60K6/10 OR B60K6/12 OR B60K6/30 OR B60L50/30 OR H02J1/16 OR F03D9/12 OR F03G7/08 OR F16H33/02 OR H02J3/28 OR H02J3/30 OR H02J15/00 OR H02K7/02)) |
| <b>3.2</b> |   |                                                                                                                           |                                                                                                                                                                                     |
| 3.2.1      | 备 | F24H7/00, F28D20/00                                                                                                       | PDY=[2016 TO 2025] AND (IPCM-LOW=(F24H7/00 OR F28D20/00))                                                                                                                           |
| 3.2.2      |   | C09K5/00, F22B1/06                                                                                                        | PDY=[2016 TO 2025] AND (IPCM-LOW=(C09K5/00 OR F22B1/06))                                                                                                                            |
| <b>3.3</b> |   |                                                                                                                           |                                                                                                                                                                                     |
| 3.3.1      |   | H01M2/00, H01M4/00, H01M10/00, H01M50/00                                                                                  | PDY=[2016 TO 2025] AND (IPCM-LOW=(H01M2/00 OR H01M4/00 OR H01M10/00 OR H01M50/00))                                                                                                  |
| 3.3.2      |   | H01G11/00                                                                                                                 | PDY=[2016 TO 2025] AND (IPCM-LOW=(H01G11/00))                                                                                                                                       |

|             |                                                                                                                                                    |  |                                                                                                                                                                                                                |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3. 3. 3     | B60K1/04, B60K6/28, B60L50/40, B60L50/50, B60L58/00, B60R16/033, B60R16/04, B60W10/26                                                              |  | PDY=[2016 TO 2025] AND (IPCM-LOW=(B60K1/04 OR B60K6/28 OR B60L50/40 OR B60L50/50 OR B60L58/00 OR B60R16/033 OR B60R16/04 OR B60W10/26))                                                                        |
| <b>4</b>    |                                                                                                                                                    |  |                                                                                                                                                                                                                |
| <b>4. 1</b> |                                                                                                                                                    |  |                                                                                                                                                                                                                |
| 4. 1. 1     | F02D17/00                                                                                                                                          |  | PDY=[2016 TO 2025] AND IPCM-LOW=F02D17/00                                                                                                                                                                      |
| 4. 1. 2     | F02B43/00                                                                                                                                          |  | PDY=[2016 TO 2025] AND IPCM-LOW=F02B43/00                                                                                                                                                                      |
| 4. 1. 3     | F02C9/32, F02C9/36, F02C9/38                                                                                                                       |  | PDY=[2016 TO 2025] AND IPCM-LOW=(F02C9/32 OR F02C9/36 OR F02C9/38)                                                                                                                                             |
| 4. 1. 4     | F02D43/00                                                                                                                                          |  | PDY=[2016 TO 2025] AND IPCM-LOW=F02D43/00                                                                                                                                                                      |
| 4. 1. 5     | F02M33/02                                                                                                                                          |  | PDY=[2016 TO 2025] AND IPCM-LOW=F02M33/02                                                                                                                                                                      |
| 4. 1. 6     | F02D41/00                                                                                                                                          |  | PDY=[2016 TO 2025] AND IPCM-LOW=F02D41/00                                                                                                                                                                      |
| <b>4. 2</b> |                                                                                                                                                    |  |                                                                                                                                                                                                                |
| 4. 2. 1     | F02B69/04, F02C3/22, F02C3/28, F02M21/00, F23D14/02, F23D14/20, F23D14/28, F23D14/32, F23D14/34, F23D14/60, F23Q2/16, F23Q7/10, F23R3/00, F24C3/00 |  | PDY=[2016 TO 2025] AND IPCM-LOW=(F02B69/04 OR F02C3/22 OR F02C3/28 OR F02M21/00 OR F23D14/02 OR F23D14/20 OR F23D14/28 OR F23D14/32 OR F23D14/34 OR F23D14/60 OR F23Q2/16 OR F23Q7/10 OR F23R3/00 OR F24C3/00) |
| 4. 2. 2     | F02B1/00, F02B11/00, F02B13/02, F02B13/06                                                                                                          |  | PDY=[2016 TO 2025] AND IPCM-LOW=(F02B1/00 OR F02B11/00 OR F02B13/02 OR F02B13/06)                                                                                                                              |
| 4. 2. 3     | F02B3/00, F02B7/00, F02B9/00, F02B23/10, F02B51/00, F02B57/02, F02D19/00, F02D21/00, F02M13/08, F23D14/22, F23                                     |  | PDY=[2016 TO 2025] AND IPCM-LOW=(F02B3/00 OR F02B7/00 OR F02B9/00 OR F02B23/10 OR F02B51/00 OR F02B57/02 OR F02D19/00 OR F02D21/00 OR F02M13/08 OR F23D14/22 OR F23D17/00 OR F23G5/12 OR F23N5/18 OR           |

|         |                                                                                                                                                      |                                                                                          |                                                                                                                                                                                                                                                                                                                            |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|         | D17/00, F23G5/12, F23N5/18, F23Q1/04                                                                                                                 |                                                                                          | F23Q1/04)                                                                                                                                                                                                                                                                                                                  |
| 4. 2. 4 | F23D14/66                                                                                                                                            |                                                                                          | PDY=[2016 TO 2025] AND IPCM-LOW=F23D14/66                                                                                                                                                                                                                                                                                  |
| 4. 3    |                                                                                                                                                      |                                                                                          |                                                                                                                                                                                                                                                                                                                            |
| 4. 3. 1 | F21K9/00, F21Y115/00, H05B33/00, H05B45/00                                                                                                           |                                                                                          | PDY=[2016 TO 2025] AND IPCM-LOW=(F21K9/00 OR F21Y115/00 OR H05B33/00 OR H05B45/00)                                                                                                                                                                                                                                         |
|         | F21S2/00, F21S4/00, F21S6/00, F21S8/00, F21S9/00, F21S10/00, F21S11/00, F21S13/00, F21S15/00, F21S19/00, F21V, F21Y, H01L33/00, H05B35/00, H05B47/00 | ELECTRO\$LUMINESCE* OR LED\$ OR OLED\$ OR EL\$ OR (LIGHT (1N) EMITTING (1N) DIODE) OR OR | PDY=[2016 TO 2025] AND (IPCM-LOW=(F21S2/00 OR F21S4/00 OR F21S6/00 OR F21S8/00 OR F21S9/00 OR F21S10/00 OR F21S11/00 OR F21S13/00 OR F21S15/00 OR F21S19/00 OR F21V OR F21Y OR H01L33/00 OR H05B35/00 OR H05B47/00) AND TIABC=(ELECTRO\$LUMINESCE* OR LED\$ OR OLED\$ OR EL\$ OR (LIGHT (2N) EMITTING (2N) DIODE) OR OR )) |
| 4. 3. 2 | F15B9/03, F15B9/17, F15B21/08, F16D27/00, F16D28/00, F16D48/06, H04W52/02                                                                            |                                                                                          | PDY=[2016 TO 2025] AND IPCM-LOW=(F15B9/03 OR F15B9/17 OR F15B21/08 OR F16D27/00 OR F16D28/00 OR F16D48/06 OR H04W52/02)                                                                                                                                                                                                    |
| 4. 3. 3 | G01R31/00 (NOT G01R31/01, G01R31/24, G01R31/26, G01R31/34, G01R31/44), G05B19/02, G06Q50/06, H02J3/00, H02J4/00, H02J5/00, H02J13/00                 | OR (POWER GRID)                                                                          | PDY=[2016 TO 2025] AND (IPCM-LOW=((G01R31/00 NOT G01R31/01 NOT G01R31/24 NOT G01R31/26 NOT G01R31/34 NOT G01R31/44) OR G05B19/02 OR G06Q50/06 OR H02J3/00 OR H02J4/00 OR H02J5/00 OR H02J13/00) AND TIABC=( OR (POWER GRID)))                                                                                              |

H02B, H02J, H02M

02J,

|             |                                                                                  |                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                  |
|-------------|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|             |                                                                                  | POWER) OR NETWORK*                                                                                                                                                  |                                                                                                                                                                                                                                                                                                  |
| <b>4. 4</b> |                                                                                  |                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                  |
| 4. 4. 1     | B05B1/02, B05B1/26, B05B1/28, B05B1/30, B05B1/34, B05B3/00, E02B11/00, E02B13/00 | (WATER (1W) SUPPLY) OR (RECYCLE* (1W) WATER) OR (RECLAIMED (1W) WATER) OR (WATER (1W) SAVING) OR OR ( (2W) ) OR ( (2W) ) OR ( (2W) ) OR ( (2W) )                    | PDY=[2016 TO 2025] AND (IPCM-LOW=(B05B1/02 OR B05B1/26 OR B05B1/28 OR B05B1/30 OR B05B1/34 OR B05B3/00 OR E02B11/00 OR E02B13/00) AND TIABC=((WATER (2N) SUPPLY) OR (RECYCLE* (2N) WATER) OR (RECLAIMED (2N) WATER) OR (WATER (2N) SAVING) OR OR ( (2N) ) OR ( (2N) ) OR ( (2N) ) OR ( (2N) )))  |
| 4. 4. 2     | B05B1/02, B05B1/14, B05B1/26, B05B1/28, B05B1/30, B05B1/34, E03D1/12, E03D1/14   | (WATER (1N) SUPPLY) OR (RECYCLE* (1N) WATER) OR (RECLAIMED (1N) WATER) OR (WATER (1N) SAVING) OR OR ( (2N) ) OR ( (2N) ) OR ( (2N) ) OR ( (2N) )                    | PDY=[2016 TO 2025] AND (IPCM-LOW=(B05B1/02 OR B05B1/14 OR B05B1/26 OR B05B1/28 OR B05B1/30 OR B05B1/34 OR E03D1/12 OR E03D1/14) AND TIABC=((WATER (2N) SUPPLY) OR (RECYCLE* (2N) WATER) OR (RECLAIMED (2N) WATER) OR (WATER (2N) SAVING) OR OR ( (2N) ) OR ( (2N) ) OR ( (2N) ) OR ( (2N) )))    |
| 4. 4. 3 、   | F16K21/02, F16K21/04, F16K23/00, F16K31/18, F16K37/00                            | (WATER (1N) SAV*) OR THROTTLE OR RECYCLE* OR RECLAIM OR REUSE OR (WASTE (1N) WATER) OR (LIQUID (1N) WASTE) OR SEWAGE OR SEWERAGE OR SLOP OR SULLAGE) OR OR OR OR OR | PDY=[2016 TO 2025] AND (IPCM-LOW=(F16K21/02 OR F16K21/04 OR F16K23/00 OR F16K31/18 OR F16K37/00) AND TIABC=((WATER (2N) SAV*) OR THROTTLE OR RECYCLE* OR RECLAIM OR REUSE OR (WASTE (2N) WATER) OR (LIQUID (2N) WASTE) OR SEWAGE OR SEWERAGE OR SLOP OR SULLAGE OR OR OR OR OR OR OR ( (2N) ) OR |

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5.1.1.6

捕

B01D53/22, B01D53/24,  
B01D53/26, B01D53/30,  
B01D53/32, C12M1/00

OR  
"CO2" OR (CARBON (1W)  
MONOXIDE) OR (CARBON  
(1W) DIOXIDE)

OR PDY=[2016 TO 2025] AND (IPCM-LOW=(B01D53/22  
OR B01D53/24 OR B01D53/26 OR B01D53/30 OR  
B01D53/32 OR C12M1/00) AND TIABC=(  
OR OR "CO2" OR (CARBON (1W)  
MONOXIDE) OR (CARBON (1W) DIOXIDE)))

C01B31/20, C01B31/22,  
C01B32/50, C01B32/55

捕 OR 捕 OR  
OR OR CAPTUR  
OR PURIFYING OR RECYCLE  
OR REGENERATION OR  
PURIFICATION

PDY=[2016 TO 2025] AND (IPCM-LOW=(C01B31/20  
OR C01B31/22 OR C01B32/50 OR C01B32/55) AND  
TIABC=(捕 OR 捕 OR OR OR  
OR CAPTUR OR PURIFYING OR RECYCLE OR  
REGENERATION OR PURIFICATION))

5.1.2

5.1.

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B

B

B

COM=(C

(C

))

0

(1W) DIOXIDE)

OR "CO2" OR (CARBON (1W) MONOXIDE) OR  
(CARBON (1W) DIOXIDE)))

5. 1. 2. 4

A23L, C12C, C12F3/00, C  
12G3/00

|             |                                                             |                                                                                                                                        |                                                                                                                                                                                              |
|-------------|-------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5. 1. 3. 3  | G01M, G01N                                                  | ( OR<br>OR "CO2" OR (CARBON (1W)<br>MONOXIDE) OR (CARBON<br>(1W) DIOXIDE) ) AND ( OR<br>OR OR<br>SEQUESTRATION OR<br>SEQUESTERING)     | PDY=[2016 TO 2025] AND (IPCM-LOW=(G01M OR<br>G02N) AND TIABC=( ( OR<br>OR<br>"CO2" OR (CARBON (1W) MONOXIDE) OR (CARBON<br>(1W) DIOXIDE)) AND ( OR OR OR<br>SEQUESTRATION OR SEQUESTERING))) |
| 5. 1. 3. 4  | C01B31/20, C01B31/22,<br>C01B32/50, C01B32/55               | OR OR OR<br>SEQUESTRATION OR<br>SEQUESTERING                                                                                           | PDY=[2016 TO 2025] AND (IPCM-LOW=(C01B31/20<br>OR C01B31/22 OR C01B32/50 OR C01B32/55) AND<br>TIABC=( OR OR OR<br>SEQUESTRATION OR SEQUESTERING))                                            |
| <b>5. 2</b> |                                                             |                                                                                                                                        |                                                                                                                                                                                              |
| 5. 2. 1     | B01D15/00, B01D46/00,<br>B01D53/00, B01J20/00,<br>G01N30/00 | OR OR "CH4" OR<br>FIREDAMP OR METHANE                                                                                                  | PDY=[2016 TO 2025] AND (IPCM-LOW=( B01D46/00<br>OR B01D53/00 OR B01J20/00 OR G02N30/00) AND<br>TIABC=( OR OR "CH4" OR FIREDAMP OR<br>METHANE))                                               |
| 5. 2. 2     | B01D15/00, B01D46/00,<br>B01D53/00, B01J20/00,<br>G01N30/00 | OR<br>OR "N2O" OR (NITROUS<br>OXIDE)                                                                                                   | PDY=[2016 TO 2025] AND (IPCM-LOW=( B01D46/00<br>OR B01D53/00 OR B01J20/00 OR G02N30/00) AND<br>TIABC=( OR OR "N2O" OR<br>(NITROUS OXIDE)))                                                   |
| 5. 2. 3     | B01D15/00, B01D46/00,<br>B01D53/00, B01J20/00,<br>G01N30/00 | OR OR<br>OR "SF6" OR<br>HYDROFLUOROCARBONS OR<br>PERFLUOROCARBONS OR<br>(SULFUR HEXAFLUORIDE) OR<br>(NITROGEN TRIFLUORIDE)<br>OR "NF3" | PDF#12016 TO 2025] AND (IPCM-LOW=( B01D46/00<br>OR B01D53/00 OR B01J20/00 OR G02N30/00) AND<br>TIABC= OR OR                                                                                  |



|         |                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                                                            |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6. 3. 3 | A23K10/26, A23K10/37, B62D67, C05D3/04, D01C5/00, D01F13/00, D01G15/72, D06B9/06, D06F43/08, D06L1/10, D21B1/08, D21B1/32, D21C5/02, D21C11/00, D21H13/08, D21H17/01, E01C19/10, F23G7/02, F23G7/10, F23G7/12, H01J9/50, H01J9/52, H01M8/008 |  | PDY=[2016 TO 2025] AND IPCM-LOW=(A23K10/26 OR A23K10/37 OR B62D67 OR C05D3/04 OR D01C5/00 OR D01F13/00 OR D01G15/72 OR D06B9/06 OR D06F43/08 OR D06L1/10 OR D21B1/08 OR D21B1/32 OR D21C5/02 OR D21C11/00 OR D21H13/08 OR D21H17/01 OR E01C19/10 OR F23G7/02 OR F23G7/10 OR F23G7/12 OR H01J9/50 OR H01J9/52 OR H01M8/008) |
| 6. 4    |                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                                                            |
| 6. 4. 1 | B60L7/10, B60T1/10, D21F5/20, F01K17/02, F01K17/06, F01K27/02, F02C7/10, F02G5/00, F15B21/14, F16D61/00, F17C9/04, F22B1/16, F22B1/18, F22D1/40, F22G1/02, F22G1/12, F22G5/06, F23G5/46, F24F3/147, F24F12/00, F24H8/00, F27D17/00, F28C1/08 |  | PDY=[2016 TO 2025] AND IPCM-LOW=(B60L7/10 OR B60T1/10 OR D21F5/20 OR F01K17/02 OR F01K17/06 OR F01K27/02 OR F02C7/10 OR F02G5/00 OR F15B21/14 OR F16D61/00 OR F17C9/04 OR F22B1/16 OR F22B1/18 OR F22D1/40 OR F22G1/02 OR F22G1/12 OR F22G5/06 OR F23G5/46 OR F24F3/147 OR F24F12/00 OR F24H8/00 OR F27D17/00 OR F28C1/08) |
| 7       |                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                                                            |
| 7. 1    |                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                                                            |



4, C09J105/00, C09J193  
/00, C09J197/00, C09K2  
3/50

7. 2. 2

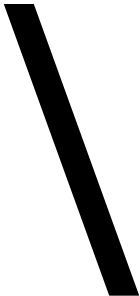
C08B15/00, C08K7/00, C (NANO\* (2N) CELLULOSE) PDY=[2016 TO 2025] AND  
08L1/00, (C08L101/00 OR CNF OR ( (2N)  
NOT C08L101/16), D21H )

|       |   |                                                 |                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                          |
|-------|---|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7.3.2 |   | B32B15/00,C09K9/00                              | (DIMMER OR DIMMING OR (BRIGHTNESS (1N) ADJUST*) OR (BRILLIANCE (1N) ADJUST*) OR (INTENSITY (1N) ADJUST*) OR (HUMIDITY (1N) CONTROL) OR (HUMIDITY (1N) CONDITION*) OR INSULATION OR THERMOSTAT OR ( ) OR ( (2N) ) OR ( (2N) ) OR OR OR 保 OR OR OR ) | PDY=[2016 TO 2025] AND (IPCM-LOW=(B32B15/00 OR C09K9/00) AND TIABC=((DIMMER OR DIMMING OR (BRIGHTNESS (2N) ADJUST*) OR (BRILLIANCE (2N) ADJUST*) OR (INTENSITY (2N) ADJUST*) OR (HUMIDITY (2N) CONTROL) OR (HUMIDITY (2N) CONDITION*) OR INSULATION OR THERMOSTAT OR ( ) OR ( (2N) ) OR ( (2N) ) OR OR OR 保 OR OR OR ))) |
| 7.3.3 | 玻 | C03C4/00,C03C27/12,C09D5/32,C09D5/33,C09D175/00 |                                                                                                                                                                                                                                                    | PDY=[2016 TO 2025] AND IPCM-LOW=(C03C4/00 OR C03C27/12 OR C09D5/32 OR C09D5/33 OR C09D175/00)                                                                                                                                                                                                                            |
| 8     |   |                                                 |                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                          |
| 8.1   |   |                                                 |                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                          |
| 8.1.1 |   | F01N11/00<br>G01N33/00                          | (( OR ) (5N)<br>) OR (( OR )<br>(5N) ) OR ((AIR OR ATMOSPHERIC) (5N) DETECT*) OR ((AIR OR ATMOSPHERIC) (5N) MONITOR*)                                                                                                                              | PDY=[2016 TO 2025] AND IPCM-LOW=F01N11/00<br>PDY=[2016 TO 2025] AND IPCM-LOW=G01N33/00 AND TIABC=((( OR ) (5N) ) OR (( OR ) (5N) ) OR ((AIR OR ATMOSPHERIC) (5N) DETECT*) OR ((AIR OR ATMOSPHERIC) (5N) MONITOR*))                                                                                                       |
| 8.1.2 |   | G01N1,G01N5,G01N7,G0                            | ( (5N) ) OR (                                                                                                                                                                                                                                      | PDY=[2016 TO 2025] AND IPCM-LOW=(G01N1 OR                                                                                                                                                                                                                                                                                |

|            |                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            | 1N9, G01N11, G01N13, G01N15, G01N21, G01N22, G01N23, G01N24, G01N25, G01N27, G01N29, G01N30, G01N31, G01N33, G01N35                                                     | (5N) ) OR<br>(WATER\$ (5N) DETECT*) OR<br>(WATER\$ (5N) MONITOR*)                                                                                                                                                                                                                                                 | G01N5 OR G01N7 OR G01N9 OR G01N11 OR<br>G01N13 OR G01N15 OR G01N21 OR G01N22 OR<br>G01N23 OR G01N24 OR G01N25 OR G01N27 OR<br>G01N29 OR G01N30 OR G01N31 OR G01N33 OR<br>G01N35) AND TIABC=(( (5N) ) OR ( (5N) ) OR (WATER\$ (5N) DETECT*) OR (WATER\$ (5N) MONITOR*))                                                                                                                                                                                                                                           |
| <b>8.2</b> |                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 8.2.1 (包 ) | A62D3/00, B08B15/00, B08B17/00, G21F9/00                                                                                                                                |                                                                                                                                                                                                                                                                                                                   | PDY=[2016 TO 2025] AND IPCM-LOW=(A62D3/00 OR B08B15/00 OR B08B17/00 OR G21F9/00)                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 8.2.2      | B01D45/00, B01D46/00, B01D47/00, B01D49/00, B01D50/00, B01D53/00, B03C1/00, B03C3/00, B60W20/16, C01B17/60, C21B5/06, C21B7/22, E21F5/00, F01N3/00, F02B75/10, F23G7/06 | NOT: ( OR<br>OR "CO2" OR "CO" OR<br>(CARBON MONOXIDE) OR<br>(CARBON DIOXIDE) OR<br>OR OR "CH4" OR<br>FIREDAMP OR METHANE OR<br>OR<br>OR "N2O" OR (NITROUS<br>OXIDE) OR OR<br>OR OR<br>"SF6" OR<br>HYDROFLUOROCARBONS OR<br>PERFLUOROCARBONS OR<br>(SULFUR HEXAFLUORIDE) OR<br>(NITROGEN TRIFLUORIDE)<br>OR "NF3") | PDY=[2016 TO 2025] AND (IPCM-LOW=(B01D45/00 OR B01D46/00 OR B01D47/00 OR B01D49/00 OR B01D50/00 OR B01D53/00 OR B03C1/00 OR B03C3/00 OR B60W20/16 OR C01B17/60 OR C21B5/06 OR C21B7/22 OR E21F5/00 OR F01N3/00 OR F02B75/10 OR F23G7/06) NOT TIABC=( OR OR "CO2" OR "CO" OR (CARBON MONOXIDE) OR (CARBON DIOXIDE) OR OR OR "CH4" OR FIREDAMP OR METHANE OR OR OR "N2O" OR (NITROUS OXIDE) OR OR OR "SF6" OR HYDROFLUOROCARBONS OR PERFLUOROCARBONS OR (SULFUR HEXAFLUORIDE) OR (NITROGEN TRIFLUORIDE) OR "NF3")) |



9.1.2



安 B60K1/00 NOT (ENVIRONMENT OR  
B60K1/04, B60K6/00 NOT ENVIRONMENTAL) AND  
(B60K6/28 OR (CONSERVATION OR  
B60K6/30), B60K11/00, PROTECT\*) OR SAVE OR  
B60K16/00, B60K17/00 ENERGY OR ECONOMIZ\* OR  
BENCH\* RECYCLE OR  
( OR



A01G27/00, A01G29/00, (WATER AND EFFICIENT) OR OR A01G25/00 OR A01G27/00 OR A01G29/00 OR  
 E02B13/00 OR ( (2N) ) E02B13/00) AND TIABC=((WATER AND SAV\*) OR  
 OR ( (2N) ) (WATER AND EFFICIENT) OR OR ( (2N)  
 ) OR ( (2N) )))

11.1

C09D7/00, E04B1/76, E04B1/88, E04D13/16, E04F13/075, E04F15/18, E06B1/00, E06B3/00, E06B5/00, F24F

69021D •  
ENERGY  
THE  
ENERGY (3N)  
CONSUMPTION) OR (LOW  
(3N) ENERGY (3N)  
CONSUMPTION) OR  
(ENVIRONMENTAL)  
FRIENDLY) OR GREEN OR  
VOLATILE OR HAZARDOUS OR  
HARMFUL OR (NON (0N)  
FORMALDEHYDE) OR  
(FORMALDEHYDE (3N) OR ONE  
OR OR OR  
OR OR  
OR OR OR  
OR OR  
LDEHY=OR OR  
OR OR OR (

|            |                                    |                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            |                                    | (REMOTE (1N) OFFICE) OR<br>(REMOTE (1N) WORK) OR<br>(HIGH (1N) OCCUPANCY<br>(1N) VEHICLE (1N) LANE)<br>OR (HIGH (1N) OCCUPANCY<br>(1N) TOLLING) OR (HIGH<br>(1N) OCCUPANCY (1N) TOLL<br>(1N) LANE) OR (HOV (1N)<br>LANE) OR (HOT (1N) LANE)<br>OR (CAR (1N) POOL (1N)<br>LANE) OR (CARPOOL (1N)<br>LANE) OR 办 OR<br>办 OR OR<br>OR<br>OR HOV OR<br>OR OR<br>OR ) | TIABC=(TELECOMMUTING OR TELEWORK OR<br>TELEWORKING OR TELE-OFFICE OR (REMOTE (2N)<br>OFFICE) OR (REMOTE (2N) WORK) OR (HIGH (2N)<br>OCCUPANCY (2N) VEHICLE (2N) LANE) OR (HIGH<br>(2N) OCCUPANCY (2N) TOLLING) OR (HIGH (2N)<br>OCCUPANCY (2N) TOLL (2N) LANE) OR (HOV (2N)<br>LANE) OR (HOT (2N) LANE) OR (CAR (2N) POOL<br>(2N) LANE) OR (CARPOOL (2N) LANE) OR<br>办 OR 办 OR OR<br>OR OR HOV OR OR<br>OR OR )) |
| 12. 2      | G06Q30/00, G06Q40/00,<br>G06Q50/00 | CARBON OR EMISSION* OR<br>OR                                                                                                                                                                                                                                                                                                                                    | PDY=[2016 TO 2025] AND (IPCM-LOW=(G06Q30/00<br>OR G06Q40/00 OR G06Q50/00) AND TIABC=<br>(CARBON OR EMISSION* OR OR ))                                                                                                                                                                                                                                                                                            |
| 12. 3<br>、 | E04B1/00, E04H1/00, E0<br>4H3/00   | (GREEN OR LOW-CARBON OR<br>(ENVIRONMENTALLY (1N)<br>FRIENDLY) OR ECOLOGICAL<br>OR ENERGY-SAVING OR<br>(ENERGY (1N) SAVING) OR<br>ECO-BUILDING OR (HIGH<br>(1N) ENERGY (1N)<br>EFFICIENCY) OR (WATER<br>(1N) SAVING) OR<br>(ENVIRONMENT (1N)<br>PROTECTION) OR<br>(ECOLOGICAL (1N)                                                                               | PDY=[2016 TO 2025] AND (IPCM-LOW=(E04B1/00<br>OR E04H1/00 OR E04H3/00) AND TIABC=(GREEN OR<br>LOW-CARBON OR (ENVIRONMENTALLY (2N)<br>FRIENDLY) OR ECOLOGICAL OR ENERGY-SAVING OR<br>(ENERGY (2N) SAVING) OR ECO-BUILDING OR<br>(HIGH (2N) ENERGY (2N) EFFICIENCY) OR (WATER<br>(2N) SAVING) OR (ENVIRONMENT (2N)<br>PROTECTION) OR (ECOLOGICAL (2N) PROTECTION)<br>OR (ENVIRONMENT (2N) CONSERVATION) OR         |

|  |  |                                                                                                                                                                                                                             |                                                                                                                                                       |
|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  | PROTECTION) OR<br>(ENVIRONMENT (1N)<br>CONSERVATION) OR<br>(ECOLOGICAL (1N)<br>CONSERVATION) OR<br>ECO-BUILDING OR<br>ECO-CONSTRUCTION OR<br>ECO-INFRASTRUCTION OR<br>ECO-ARCHITECTURE OR<br>OR OR<br>OR OR OR<br>OR 保 OR ) | (ECOLOGICAL (2N) CONSERVATION) OR<br>ECO-BUILDING OR ECO-CONSTRUCTION OR<br>ECO-INFRASTRUCTION OR ECO-ARCHITECTURE OR<br>OR OR OR OR<br>OR OR 保 OR )) |
|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|