

## SECTION H — ELECTRICITY

## H02 GENERATION, CONVERSION, OR DISTRIBUTION OF ELECTRIC POWER

## H02N ELECTRIC MACHINES NOT OTHERWISE PROVIDED FOR

Note(s) [7]

1. This subclass covers:
  - electrostatic generators, motors, clutches, or holding devices;
  - other non-dynamo-electric generators or motors;
  - holding or levitation devices using magnetic attraction or repulsion;
  - arrangements for starting, regulating, braking, or otherwise controlling such machines unless in conjoint operation with a second machine.
2. Attention is drawn to the Notes following the titles of class B81 and subclass B81B relating to "microstructural devices" and "microstructural systems".
3. Specific provision for generators, motors, or other means for converting between electric and other forms of energy also exists in other subclasses, e.g. in class H10 and subclasses H01L, H01M, H02K, H04R.

Subclass index

## GENERATORS, MOTORS

|   |             |
|---|-------------|
| With electrostatic effect.....  | 1/00        |
| Generators using thermal ionisation and removal of charge; electric motors using thermal effects..... | 3/00, 10/00 |
| Others.....   | 11/00       |

## ELECTRIC MACHINES IN GENERAL USING PIEZOELECTRIC EFFECT, ELECTROSTRICTION OR MAGNETOSTRICTION.....

|  |       |
|--|-------|
| ELECTRIC MACHINES IN GENERAL USING PIEZOELECTRIC EFFECT, ELECTROSTRICTION OR MAGNETOSTRICTION..... | 2/00  |
| ELECTROSTATIC CLUTCHES OR HOLDING DEVICES.....   | 13/00 |
| MAGNETIC HOLDING OR LEVITATING DEVICES.....  | 15/00 |
| SUBJECT MATTER NOT PROVIDED FOR IN OTHER GROUPS OF THIS SUBCLASS.....                              | 99/00 |

|             |  |              |   |
|-------------|--|--------------|---|
| <b>1/00</b> | <b>Electrostatic generators or motors using a solid moving electrostatic charge carrier [1, 2006.01]</b>   | 2/18         | • producing electrical output from mechanical input, e.g. generators (for measurement devices G01) [6, 2006.01]   |
| 1/04        | • Friction generators [1, 2006.01]   |              |   |
| 1/06        | • Influence generators [1, 2006.01]  |              |   |
| 1/08        | • • with conductive charge carrier, i.e. capacitor machines [1, 2006.01]   | <b>3/00</b>  | <b>Generators in which thermal or kinetic energy is converted into electrical energy by ionisation of a fluid and removal of the charge therefrom</b> (discharge tubes functioning as thermionic generators H01J 45/00) [1, 3, 2006.01] |
| 1/10        | • • with non-conductive charge carrier [1, 2006.01]  |              |   |
| 1/12        | • • • in the form of a conveyor belt, e.g. van de Graaff machine [1, 2006.01]  |              |   |
| <b>2/00</b> | <b>Electric machines in general using piezoelectric effect, electrostriction or magnetostriction</b> (generating mechanical vibrations in general B06B; piezoelectric, electrostrictive or magnetostrictive elements in general H10N 30/00, H10N 35/00) [4, 2006.01] | <b>10/00</b> | <b>Electric motors using thermal effects</b> [3, 2006.01]   |
| 2/02        | • producing linear motion, e.g. actuators; Linear positioners [6, 2006.01]   | <b>11/00</b> | <b>Generators or motors not provided for elsewhere; Alleged <i>perpetua mobilia</i> obtained by electric or magnetic means</b> (by hydrostatic pressure F03B 17/04; by dynamo-electric means H02K 53/00) [1, 2006.01]                   |
| 2/04        | • • Constructional details [6, 2006.01]  |              |   |
| 2/06        | • • Drive circuits; Control arrangements [6, 2006.01]  |              |   |
| 2/08        | • • using travelling waves, e.g. linear motors [6, 2006.01]  | <b>13/00</b> | <b>Clutches or holding devices using electrostatic attraction, e.g. using Johnson-Rahbek effect</b> [1, 2006.01]  |
| 2/10        | • producing rotary motion, e.g. rotary motors [6, 2006.01]   |              |   |
| 2/12        | • • Constructional details [6, 2006.01]  |              |   |
| 2/14        | • • Drive circuits; Control arrangements [6, 2006.01]  |              |   |
| 2/16        | • • using travelling waves [6, 2006.01]  |              |   |

## H02N

- 15/00 Holding or levitation devices using magnetic attraction or repulsion, not otherwise provided for** (electric or magnetic devices for holding work on machine tools B23Q 3/15; sliding or levitation devices for railway systems B61B 13/08; material handling devices associated with conveyors incorporating devices with electrostatic or magnetic grippers B65G 47/92; separating thin or filamentary articles from piles using magnetic force B65H 3/16; delivering thin or filamentary articles from magnetic holders by air blast or suction B65H 29/24; bearings using magnetic or electric supporting means F16C 32/04; relieving bearing loads using magnetic means F16C 39/06; magnets H01F 7/00; dynamo-electric clutches or brakes H02K 49/00) [**3, 2006.01**]
- 15/02 • by Foucault currents [**3, 2006.01**]
- 15/04 • Repulsion by the Meissner effect (superconductors or hyperconductors in general H10N 60/00) [**3, 2006.01**]
- 99/00 Subject matter not provided for in other groups of this subclass [2006.01]**