NOTE
In this subclass, the term "spark gaps" is used with the following meaning:

- enclosed or non-enclosed discharge device having cold electrodes and used exclusively to discharge a quantity of electrical energy in a small time duration.

1/00 Details of spark gaps
1/02 Means for extinguishing arc
1/04 using magnetic blow-out
1/06 with permanent magnet
1/08 using flow of arc-extinguishing fluid
1/10 with extinguishing fluid evolved from solid material by heat of arc
1/12 Means structurally associated with spark gap for recording operation thereof
1/14 Means structurally associated with spark gap for protecting it against overload or for disconnecting it in case of failure (H01T 1/15, H01T 1/16, H01T 1/18 takes precedence; emergency protective circuit arrangements for spark gap arresters H02H 7/24)
1/15 for protection against excessive pressure
1/16 Series resistor structurally associated with spark gap
1/18 Electrolytic device structurally associated with spark gap
1/20 Means for starting arc or facilitating ignition of spark gap
1/22 by the shape or the composition of the electrodes
1/24 Selection of materials for electrodes (H01T 1/22 takes precedence)
2/00 Spark gaps comprising auxiliary triggering means (triggering circuits H01T 15/00)
2/02 comprising a trigger electrode or an auxiliary spark gap
4/00 Overvoltage arresters using spark gaps (H01T 2/00 takes precedence; overvoltage protection circuits using spark gaps H02H 9/06)
4/02 Details
4/04 Housings (H01T 4/06 takes precedence)
4/06 Mounting arrangements for a plurality of overvoltage arresters
4/08 structurally associated with protected apparatus (with switches H01H 9/14; with fuses H01H 85/44)
4/10 having a single gap or a plurality of gaps in parallel
4/12 hermetically sealed
4/14 Arcing horns (associated with insulators H01B 17/46)
4/16 having a plurality of gaps arranged in series
4/18 Arrangements for reducing height of stacked spark gaps
4/20 Arrangements for improving potential distribution
7/00 Rotary spark gaps, i.e. devices having one or more rotating electrodes
9/00 Spark gaps specially adapted for generating oscillations
11/00 Spark gaps specially adapted as rectifiers
13/00 Sparking plugs
13/02 Details
13/04 Means providing electrical connection to sparking plugs
13/05 combined with interference suppressing or shielding means
13/06 Covers forming a part of the plug and protecting it against adverse environment
13/08 Mounting, fixing or sealing of sparking plugs, e.g. in combustion chamber
13/10 by bayonet-type connection
13/12 Means on sparking plugs for facilitating engagement by tool or by hand
13/14 Means for self-cleaning
13/16 Means for dissipating heat
13/18 Means for heating, e.g. for drying
13/20 Characterised by features of the electrodes or insulation
13/22 having two or more electrodes embedded in insulation (sparking plugs having two or more spark gaps H01T 13/46)
13/24 having movable electrodes (H01T 13/28 takes precedence)
13/26 for adjusting spark gap otherwise than by bending of electrode
13/28 having spherically shaped electrodes, e.g. ball-shaped
13/30 mounted so as to permit free movement
13/32 characterised by features of the earthed electrode
13/34 characterised by the mounting of electrodes in insulation, e.g. by embedding
13/36 characterised by the joint between insulation and body, e.g. using cement
13/38. . Selection of materials for insulation
13/39. . Selection of materials for electrodes
13/40. . structurally combined with other devices (combined
      or associated with fuel injectors F02M 57/06; structurally combined with other parts of internal-combustion engines F02P 13/00)
13/41. . with interference suppressing or shielding means
13/42. . with magnetic spark generators
13/44. . with transformers, e.g. for high-frequency ignition
13/46. . having two or more spark gaps
13/462. . { in series connection }
13/465. . . { one spark gap being incorporated in the sparking plug }
13/467. . . { in parallel connection }
13/48. . having means for rendering sparks visible
13/50. . having means for ionisation of gap (H01T 13/52 takes precedence)
13/52. . characterised by a discharge along a surface
13/54. . having electrodes arranged in a partly-enclosed ignition chamber
13/56. . characterised by having component parts which are easily assembled or disassembled
13/58. . Testing (testing characteristics of the spark in internal-combustion engine ignition F02P 17/12)
13/60. . . of electrical properties
14/00. Spark gaps not provided for in groups H01T 2/00 - H01T 13/00 (devices providing for corona discharge H01T 19/00)
15/00. Circuits specially adapted for spark gaps, e.g. ignition circuits (ignition circuits for internal-combustion engines F02P; electric spark ignition for combustion apparatus F23Q; protection circuits using spark gaps H02H 9/06)
19/00. Devices providing for corona discharge (for charging electrographic elements G03G 15/02)
19/02. . Corona rings
19/04. . having pointed electrodes
21/00. Apparatus or processes specially adapted for the manufacture or maintenance of spark gaps or sparking plugs
21/02. . of sparking plugs
21/04. . . Cleaning (means for self-cleaning H01T 13/14; abrasive blasting devices for cleaning sparking-plugs B24C 3/34)
21/06. . Adjustment of spark gaps (sparking-plugs having movable electrodes for adjusting the gap H01T 13/26)
23/00. Apparatus for generating ions to be introduced into non-enclosed gases, e.g. into the atmosphere