

## SECTION H — ELECTRICITY

### H01 BASIC ELECTRIC ELEMENTS

**H01K ELECTRIC INCANDESCENT LAMPS** (details or apparatus or processes for manufacture applicable to both discharge devices and incandescent lamps H01J; light sources using a combination of incandescent and other types of light generation H01J 61/96, H05B 35/00; circuits therefor H05B)

#### Note(s)

In this subclass, the following term is used with the meaning indicated:

- "lamp" includes tubes emitting ultra-violet or infra-red light.

#### Subclass index

##### CHARACTERISED BY UTILISATION

General lighting; other lighting.....5/00, 7/00

##### CHARACTERISED BY THE INCANDESCENT BODY

Non-conductive; non-conductive in the cold state; multiple.....11/00, 13/00, 9/00

DETAILS.....1/00

MANUFACTURE.....3/00

#### **1/00 Details**

- 1/02 • Incandescent bodies
- 1/04 • • characterised by the material thereof
- 1/06 • • • Carbon bodies
- 1/08 • • • Metallic bodies
- 1/10 • • • Bodies of metal or carbon combined with other substance
- 1/12 • • • Bodies which are non-conductive when cold, e.g. for Nernst lamp
- 1/14 • • characterised by the shape
- 1/16 • • Electric connection thereto
- 1/18 • Mountings or supports for the incandescent body
- 1/20 • • characterised by the material thereof
- 1/22 • • Lamp stems (seals for leading conductors therethrough H01K 1/38)
- 1/24 • • Mounts for lamps with connections at opposite ends, e.g. for tubular lamp
- 1/26 • Screens; Filters (associated with envelope H01K 1/28)
- 1/28 • Envelopes; Vessels
- 1/30 • • incorporating lenses
- 1/32 • • provided with coatings on the walls; Vessels or coatings thereon characterised by the material thereof
- 1/34 • • Double-wall vessels
- 1/36 • Seals between parts of vessel, e.g. between stem and envelope
- 1/38 • Seals for leading-in conductors
- 1/40 • Leading-in conductors
- 1/42 • Means forming part of the lamp for the purpose of providing electrical connection to, or support for, the lamp (electric coupling devices comprising a holder adapted for supporting a lamp and not forming part of the lamp H01R 33/00)
- 1/44 • • directly applied to, or forming part of, the vessel

- 1/46 • • supported by a separate part, e.g. base, cap
- 1/48 • • • Removable caps
- 1/50 • Selection of substances for gas fillings; Specified pressure thereof
- 1/52 • Means for obtaining or maintaining the desired pressure within the vessel
- 1/54 • • Means for adsorbing or absorbing gas, or for preventing or removing efflorescence, e.g. by gettering
- 1/56 • • • characterised by the material of the getter
- 1/58 • Cooling arrangements
- 1/60 • Means structurally associated with the lamp for indicating defects or previous use
- 1/62 • One or more circuit elements structurally associated with the lamp
- 1/64 • • with built-in switch
- 1/66 • • with built-in fuse
- 1/68 • • with built-in spark gap
- 1/70 • • with built-in short-circuiting device, e.g. for serially-connected lamps

#### **3/00 Apparatus or processes adapted to the manufacture, installing, removal, or maintenance of incandescent lamps or parts thereof** (manufacture of vessels from glass C03B)

- 3/02 • Manufacture of incandescent bodies
- 3/04 • • Machines therefor
- 3/06 • Attaching of incandescent bodies to mount
- 3/08 • Manufacture of mounts or stems
- 3/10 • • Machines therefor
- 3/12 • Joining of mount or stem to vessel; Joining parts of the vessel, e.g. by butt sealing
- 3/14 • • Machines therefor
- 3/16 • Joining of caps to vessel
- 3/18 • • Machines therefor

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- 3/20 • Sealing-in wires directly into the envelope
- 3/22 • Exhausting, degassing, filling, or cleaning vessels
- 3/24 • • Machines therefor
- 3/26 • Closing of vessels
- 3/28 • Machines having sequentially arranged operating stations
- 3/30 • Repairing or regenerating used or defective lamps
- 3/32 • Auxiliary devices for cleaning, placing, or removing incandescent lamps

**5/00 Lamps for general lighting** (H01K 9/00-H01K 13/00 take precedence)

- 5/02 • with connections made at opposite ends, e.g. tubular lamp with axially arranged filament

**7/00 Lamps for purposes other than general lighting** (H01K 9/00-H01K 13/00 take precedence)

- 7/02 • for producing a narrow beam of light; for approximating a point-like source of light, e.g. for searchlight, for cinematographic projector (producing narrow beams by optical means external to lamp F21V)
- 7/04 • for indicating
- 7/06 • for decorative purposes

**9/00 Lamps having two or more incandescent bodies separately heated** (H01K 11/00, H01K 13/00 take precedence; incandescent-filament-type indicating arrangements affected by the combination of a number of individual lamps G09F 9/307)

- 9/02 • to provide substitution in the event of failure of one of the bodies
- 9/04 • • with built-in manually-operated switch
- 9/06 • • with built-in device, e.g. switch, for automatically completing circuit of reserve body
- 9/08 • to provide selectively different light effects, e.g. for automobile headlamp

**11/00 Lamps having an incandescent body which is not conductively heated, e.g. heated inductively, heated by electronic discharge** (H01K 13/00 takes precedence; heated by light-emitting discharge H01J 61/98)

**13/00 Lamps having an incandescent body which is substantially non-conductive until heated, e.g. Nernst lamp**

- 13/02 • Heating arrangements
- 13/04 • • using electric discharge
- 13/06 • • using induction heating; using high-frequency field