

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	1/46	• • supported by a separate part, e.g. base, cap
1/02	• Incandescent bodies	1/48	• • • Removable caps
1/04	• • characterised by the material thereof	1/50	• Selection of substances for gas fillings; Specified pressure thereof
1/06	• • • Carbon bodies	1/52	• Means for obtaining or maintaining the desired pressure within the vessel
1/08	• • • Metallic bodies	1/54	• • Means for adsorbing or absorbing gas, or for preventing or removing efflorescence, e.g. by gettering
1/10	• • • Bodies of metal or carbon combined with other substance	1/56	• • • characterised by the material of the getter
1/12	• • • Bodies which are non-conductive when cold, e.g. for Nernst lamp	1/58	• Cooling arrangements
1/14	• • characterised by the shape	1/60	• Means structurally associated with the lamp for indicating defects or previous use
1/16	• • Electric connection thereto	1/62	• One or more circuit elements structurally associated with the lamp
1/18	• Mountings or supports for the incandescent body	1/64	• • with built-in switch
1/20	• • characterised by the material thereof	1/66	• • with built-in fuse
1/22	• • Lamp stems (seals for leading conductors therethrough H01K 1/38)	1/68	• • with built-in spark gap
1/24	• • Mounts for lamps with connections at opposite ends, e.g. for tubular lamp	1/70	• • with built-in short-circuiting device, e.g. for serially-connected lamps
1/26	• Screens; Filters (associated with envelope H01K 1/28)	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)
1/28	• Envelopes; Vessels	3/02	• Manufacture of incandescent bodies
1/30	• • incorporating lenses	3/04	• • Machines therefor
1/32	• • provided with coatings on the walls; Vessels or coatings thereon characterised by the material thereof	3/06	• Attaching of incandescent bodies to mount
1/34	• • Double-wall vessels	3/08	• Manufacture of mounts or stems
1/36	• Seals between parts of vessel, e.g. between stem and envelope	3/10	• • Machines therefor
1/38	• Seals for leading-in conductors	3/12	• Joining of mount or stem to vessel; Joining parts of the vessel, e.g. by butt sealing
1/40	• Leading-in conductors	3/14	• • Machines therefor
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)	3/16	• Joining of caps to vessel
1/44	• • directly applied to, or forming part of, the vessel	3/18	• • Machines therefor

H01K

- 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