

CPC COOPERATIVE PATENT CLASSIFICATION

H ELECTRICITY

(NOTE omitted)

H01 BASIC ELECTRIC ELEMENTS

(NOTE omitted)

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

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

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

WARNING

In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

1/00	Details	1/50	• Selection of substances for gas fillings; Specified pressure thereof
1/02	• Incandescent bodies	1/52	• Means for obtaining or maintaining the desired pressure within the vessel
1/04	• . characterised by the material thereof	1/54	• . Means for absorbing or absorbing gas, or for preventing or removing efflorescence, e.g. by gettering
1/06	• . . Carbon bodies	1/56	• . . characterised by the material of the getter
1/08	• . . Metallic bodies	1/58	• Cooling arrangements
1/10	• . . Bodies of metal or carbon combined with other substance	1/60	• Means structurally associated with the lamp for indicating defects or previous use
1/12	• . . Bodies which are non-conductive when cold, e.g. for Nernst lamp	1/62	• One or more circuit elements structurally associated with the lamp
1/14	• . characterised by the shape	1/625	• . {Flashing incandescent lamps}
1/16	• . Electric connection thereto	1/64	• . with built-in switch
1/18	• Mountings or supports for the incandescent body	1/66	• . with built-in fuse
1/20	• . characterised by the material thereof	1/68	• . with built-in spark gap
1/22	• . Lamp stems (seals for leading conductors there through H01K 1/38)	1/70	• . with built-in short-circuiting device, e.g. for serially connected lamps
1/24	• . Mounts for lamps with connections at opposite ends, e.g. for tubular lamp	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)
1/26	• Screens; Filters (associated with envelope H01K 1/28)	3/005	• {Methods for coating the surface of the envelope}
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
1/325	• . . {Reflecting coating}	3/065	• . {Machines therefor}
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, or support for, the lamp	3/16	• Joining of caps to vessel
1/44	• . directly applied to, or forming part of, the vessel	3/18	• . Machines therefor
1/46	• . supported by a separate part, e.g. base, cap	3/20	• Sealing-in wires directly into the envelope
1/465	• . . {with means to prevent loosening or unauthorised removal of the lamp}	3/22	• Exhausting, degassing, filling, or cleaning vessels
1/48	• . . Removable caps		

H01K

- 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
- 3/305 . . { [Testing of incandescent 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
[\(producing narrow beams by optical means external to lamp F21\)](#)
- 7/04 . for indicating
- 7/06 . for decorative purposes

9/00 **Lamps having two or more incandescent bodies separately heated** [\(H01K 11/00, H01K 13/00 take precedence\)](#)

- 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** [\(H01K 13/00 takes precedence\)](#)

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