

CPC**COOPERATIVE PATENT CLASSIFICATION****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.

H01K 1/00**Details**

- H01K 1/02 . Incandescent bodies
- H01K 1/04 . . characterised by the material thereof
- H01K 1/06 . . . Carbon bodies
- H01K 1/08 . . . Metallic bodies
- H01K 1/10 . . . Bodies of metal or carbon combined with other substance
- H01K 1/12 . . . Bodies which are non-conductive when cold, e.g. for Nernst lamp
- H01K 1/14 . . characterised by the shape
- H01K 1/16 . . Electric connection thereto
- H01K 1/18 . Mountings or supports for the incandescent body
- H01K 1/20 . . characterised by the material thereof
- H01K 1/22 . . Lamp stems ([seals for leading conductors there through H01K 1/38](#))
- H01K 1/24 . . Mounts for lamps with connections at opposite ends, e.g. for tubular lamp
- H01K 1/26 . Screens; Filters ([associated with envelope H01K 1/28](#))
- H01K 1/28 . Envelopes; Vessels
- H01K 1/30 . . incorporating lenses
- H01K 1/32 . . provided with coatings on the walls; Vessels or coatings thereon characterised by the material thereof
- H01K 1/325 . . . {[Reflecting coating](#)}
- H01K 1/34 . . Double wall vessels
- H01K 1/36 . Seals between parts of vessel, e.g. between stem and envelope
- H01K 1/38 . Seals for leading-in conductors
- H01K 1/40 . Leading-in conductors
- H01K 1/42 . Means forming part of the lamp for the purpose of providing electrical connection, or support for, the lamp
- H01K 1/44 . . directly applied to, or forming part of, the vessel
- H01K 1/46 . . supported by a separate part, e.g. base, cap
- H01K 1/465 . . . {[with means to prevent loosening or unauthorised removal of the lamp](#)}
- H01K 1/48 . . . Removable caps

- H01K 1/50 . Selection of substances for gas fillings; Specified pressure thereof
- H01K 1/52 . Means for obtaining or maintaining the desired pressure within the vessel
- H01K 1/54 . . Means for absorbing or absorbing gas, or for preventing or removing efflorescence, e.g. by gettering
- H01K 1/56 . . . characterised by the material of the getter
- H01K 1/58 . Cooling arrangements
- H01K 1/60 . Means structurally associated with the lamp for indicating defects or previous use
- H01K 1/62 . One or more circuit elements structurally associated with the lamp
- H01K 1/625 . . {Flashing incandescent lamps}
- H01K 1/64 . . with built-in switch
- H01K 1/66 . . with built-in fuse
- H01K 1/68 . . with built-in spark gap
- H01K 1/70 . . with built-in short-circuiting device, e.g. for serially connected lamps

H01K 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](#))

- H01K 3/005 . {Methods for coating the surface of the envelope}
- H01K 3/02 . Manufacture of incandescent bodies
- H01K 3/04 . . Machines therefor
- H01K 3/06 . Attaching of incandescent bodies to mount
- H01K 3/065 . . {Machines therefor}
- H01K 3/08 . Manufacture of mounts or stems
- H01K 3/10 . . Machines therefor
- H01K 3/12 . Joining of mount or stem to vessel; Joining parts of the vessel, e.g. by butt sealing
- H01K 3/14 . . Machines therefor
- H01K 3/16 . Joining of caps to vessel
- H01K 3/18 . . Machines therefor
- H01K 3/20 . Sealing-in wires directly into the envelope
- H01K 3/22 . Exhausting, degassing, filling, or cleaning vessels
- H01K 3/24 . . Machines therefor
- H01K 3/26 . Closing of vessels
- H01K 3/28 . Machines having sequentially arranged operating stations
- H01K 3/30 . Repairing or regenerating used or defective lamps
- H01K 3/305 . . {Testing of incandescent lamps}
- H01K 3/32 . Auxiliary devices for cleaning, placing, or removing incandescent lamps

H01K 5/00 **Lamps for general lighting** ([H01K 9/00](#) to [H01K 13/00](#) take precedence)

- H01K 5/02 . with connections made at opposite ends, e.g. tubular lamp with axially arranged filament

H01K 7/00 **Lamps for purpose other than general lighting** ([H01K 9/00](#) to [H01K 13/00](#) take precedence)

- H01K 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](#))
- H01K 7/04
 - for indicating
- H01K 7/06
 - for decorative purposes
- H01K 9/00**

Lamps having two or more incandescent bodies separately heated
([H01K 11/00](#), [H01K 13/00](#) take precedence)
- H01K 9/02
 - to provide substitution in the event of failure of one of the bodies
- H01K 9/04
 - . with built-in manually operated switch
- H01K 9/06
 - . with built-in device, e.g. switch, for automatically completing circuit of reserve body
- H01K 9/08
 - to provide selectively different light effects, e.g. for automobile headlamp
- H01K 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)
- H01K 13/00**

Lamps having an incandescent body which is substantially non-conductive until heated, e.g. Nernst lamp
- H01K 13/02
 - Heating arrangements
- H01K 13/04
 - . using electric discharge
- H01K 13/06
 - . using induction heating; using high frequency field