

**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	<ul style="list-style-type: none"> <li>Means for absorbing or absorbing gas, or for preventing or removing efflorescence, e.g. by gettering</li> </ul>
H01K 1/56	<ul style="list-style-type: none"> <li>characterised by the material of the getter</li> </ul>
H01K 1/58	<ul style="list-style-type: none"> <li>Cooling arrangements</li> </ul>
H01K 1/60	<ul style="list-style-type: none"> <li>Means structurally associated with the lamp for indicating defects or previous use</li> </ul>
H01K 1/62	<ul style="list-style-type: none"> <li>One or more circuit elements structurally associated with the lamp</li> </ul>
H01K 1/625	<ul style="list-style-type: none"> <li>{Flashing incandescent lamps}</li> </ul>
H01K 1/64	<ul style="list-style-type: none"> <li>with built-in switch</li> </ul>
H01K 1/66	<ul style="list-style-type: none"> <li>with built-in fuse</li> </ul>
H01K 1/68	<ul style="list-style-type: none"> <li>with built-in spark gap</li> </ul>
H01K 1/70	<ul style="list-style-type: none"> <li>with built-in short-circuiting device, e.g. for serially connected lamps</li> </ul>
<b>H01K 3/00</b>	<b>Apparatus or processes adapted to the manufacture, installing, removal, or maintenance of incandescent lamps or parts thereof</b> ( <a href="#">manufacture of vessels from glass C03B</a> )
H01K 3/005	<ul style="list-style-type: none"> <li>{Methods for coating the surface of the envelope}</li> </ul>
H01K 3/02	<ul style="list-style-type: none"> <li>Manufacture of incandescent bodies</li> </ul>
H01K 3/04	<ul style="list-style-type: none"> <li>Machines therefor</li> </ul>
H01K 3/06	<ul style="list-style-type: none"> <li>Attaching of incandescent bodies to mount</li> </ul>
H01K 3/065	<ul style="list-style-type: none"> <li>{Machines therefor}</li> </ul>
H01K 3/08	<ul style="list-style-type: none"> <li>Manufacture of mounts or stems</li> </ul>
H01K 3/10	<ul style="list-style-type: none"> <li>Machines therefor</li> </ul>
H01K 3/12	<ul style="list-style-type: none"> <li>Joining of mount or stem to vessel; Joining parts of the vessel, e.g. by butt sealing</li> </ul>
H01K 3/14	<ul style="list-style-type: none"> <li>Machines therefor</li> </ul>
H01K 3/16	<ul style="list-style-type: none"> <li>Joining of caps to vessel</li> </ul>
H01K 3/18	<ul style="list-style-type: none"> <li>Machines therefor</li> </ul>
H01K 3/20	<ul style="list-style-type: none"> <li>Sealing-in wires directly into the envelope</li> </ul>
H01K 3/22	<ul style="list-style-type: none"> <li>Exhausting, degassing, filling, or cleaning vessels</li> </ul>
H01K 3/24	<ul style="list-style-type: none"> <li>Machines therefor</li> </ul>
H01K 3/26	<ul style="list-style-type: none"> <li>Closing of vessels</li> </ul>
H01K 3/28	<ul style="list-style-type: none"> <li>Machines having sequentially arranged operating stations</li> </ul>
H01K 3/30	<ul style="list-style-type: none"> <li>Repairing or regenerating used or defective lamps</li> </ul>
H01K 3/305	<ul style="list-style-type: none"> <li>{Testing of incandescent lamps}</li> </ul>
H01K 3/32	<ul style="list-style-type: none"> <li>Auxiliary devices for cleaning, placing, or removing incandescent lamps</li> </ul>
<b>H01K 5/00</b>	<b>Lamps for general lighting</b> ( <a href="#">H01K 9/00</a> to <a href="#">H01K 13/00</a> take precedence)
H01K 5/02	<ul style="list-style-type: none"> <li>with connections made at opposite ends, e.g. tubular lamp with axially arranged filament</li> </ul>
<b>H01K 7/00</b>	<b>Lamps for purpose other than general lighting</b> ( <a href="#">H01K 9/00</a> to <a href="#">H01K 13/00</a> 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