

## ECLA EUROPEAN 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 [H01J61/96](#), [H05B35/00](#); 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.

### H01K1/00

#### Details

- H01K1/02 . Incandescent bodies
- H01K1/04 . . characterised by the material thereof
- H01K1/06 . . . Carbon bodies
- H01K1/08 . . . Metallic bodies
- H01K1/10 . . . Bodies of metal or carbon combined with other substance
- H01K1/12 . . . Bodies which are non-conductive when cold, e.g. for Nernst lamp
- H01K1/14 . . characterised by the shape
- H01K1/16 . . Electric connection thereto
  
- H01K1/18 . Mountings or supports for the incandescent body
- H01K1/20 . . characterised by the material thereof
- H01K1/22 . . Lamp stems (seals for leading conductors there through [H01K1/38](#))
- H01K1/24 . . Mounts for lamps with connections at opposite ends, e.g for tubular lamp
  
- H01K1/26 . Screens; Filters ([associated with envelope H01K1/28](#))
  
- H01K1/28 . Envelopes; Vessels
- H01K1/30 . . incorporating lenses
- H01K1/32 . . provided with coatings on the walls; Vessels or coatings thereon characterised by the material thereof
- H01K1/32B . . . [N: Reflecting coating]
- H01K1/34 . . Double wall vessels
  
- H01K1/36 . Seals between parts of vessel, e.g. between stem and envelope
  
- H01K1/38 . Seals for leading-in conductors
  
- H01K1/40 . Leading-in conductors
  
- H01K1/42 . Means forming part of the lamp for the purpose of providing electrical connection, or support for, the lamp
  
- H01K1/44 . . directly applied to, or forming part of, the vessel

- H01K1/46 . . supported by a separate part, e.g. base, cap
- H01K1/46A . . . [N: with means to prevent loosening or unauthorised removal of the lamp]
- H01K1/48 . . . Removable caps
- H01K1/50 . Selection of substances for gas fillings; Specified pressure thereof
- H01K1/52 . Means for obtaining or maintaining the desired pressure within the vessel
- H01K1/54 . . Means for absorbing or absorbing gas, or for preventing or removing efflorescence, e.g. by gettering
- H01K1/56 . . . characterised by the material of the getter
- H01K1/58 . Cooling arrangements
- H01K1/60 . Means structurally associated with the lamp for indicating defects or previous use
- H01K1/62 . One or more circuit elements structurally associated with the lamp
- H01K1/62A . . [N: Flashing incandescent lamps]
- H01K1/64 . . with built-in switch
- H01K1/66 . . with built-in fuse
- H01K1/68 . . with built-in spark gap
- H01K1/70 . . with built-in short-circuiting device, e.g. for serially connected lamps
- H01K3/00** **Apparatus or processes adapted to the manufacture, installing, removal, or maintenance of incandescent lamps or parts thereof** ([manufacture of vessels from glass C03B](#))
- H01K3/00B . [N: Methods for coating the surface of the envelope]
- H01K3/02 . Manufacture of incandescent bodies
- H01K3/04 . . Machines therefor
- H01K3/06 . Attaching of incandescent bodies to mount
- H01K3/06B . . [N: Machines therefor]
- H01K3/08 . Manufacture of mounts or stems
- H01K3/10 . . Machines therefor
- H01K3/12 . Joining of mount or stem to vessel; Joining parts of the vessel, e.g. by butt sealing
- H01K3/14 . . Machines therefor
- H01K3/16 . Joining of caps to vessel
- H01K3/18 . . Machines therefor
- H01K3/20 . Sealing-in wires directly into the envelope
- H01K3/22 . Exhausting, degassing, filling, or cleaning vessels
- H01K3/24 . . Machines therefor
- H01K3/26 . Closing of vessels

- H01K3/28 . Machines having sequentially arranged operating stations
- H01K3/30 . Repairing or regenerating used or defective lamps
- H01K3/30B . . [N: Testing of incandescent lamps]
- H01K3/32 . Auxiliary devices for cleaning, placing, or removing incandescent lamps
- H01K5/00 Lamps for general lighting ([H01K9/00](#) to [H01K13/00](#) take precedence)**
- H01K5/02 . with connections made at opposite ends, e.g. tubular lamp with axially arranged filament
- H01K7/00 Lamps for purpose other than general lighting ([H01K9/00](#) to [H01K13/00](#) take precedence)**
- H01K7/02 . 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](#))
- H01K7/04 . for indicating
- H01K7/06 . for decorative purposes
- H01K9/00 Lamps having two or more incandescent bodies separately heated ([H01K11/00](#), [H01K13/00](#) take precedence)**
- H01K9/02 . to provide substitution in the event of failure of one of the bodies
- H01K9/04 . . with built-in manually operated switch
- H01K9/06 . . with built-in device, e.g. switch, for automatically completing circuit of reserve body
- H01K9/08 . to provide selectively different light effects, e.g. for automobile headlamp
- H01K11/00 Lamps having an incandescent body which is not conductively heated, e.g. heated inductively, heated by electronic discharge ([H01K13/00](#) takes precedence)**
- H01K13/00 Lamps having an incandescent body which is substantially non-conductive until heated, e.g. Nernst lamp**
- H01K13/02 . Heating arrangements
- H01K13/04 . . using electric discharge
- H01K13/06 . . using induction heating; using high frequency field