

H01K

ELECTRIC INCANDESCENT LAMPS (details, 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](#))

Definition statement

This place covers:

- Sources of visible, ultra-violet or infra-red radiation consisting of one or more bodies heated to incandescence by electricity, i.e. incandescent lamps, including such lamps for purposes other than general lighting.
- Details of electric incandescent lamps, including ancillary devices that are structurally part of the lamp such as optical light modifiers or circuit elements.
- Apparatus or processes adapted to the manufacture, installing, removal or maintenance of incandescent lamps or parts thereof.

References

Limiting references

This place does not cover:

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
Lamps with spaced electrodes heated to incandescence by light-emitting discharge, e.g. tungsten arc lamps	H01J 61/98

Application-oriented references

Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

Functional features or details of lighting devices or systems thereof	F21V
Structural combinations of lighting devices with other articles, not otherwise provided for	F21V 33/00
Incandescent filaments used to form characters in indicating arrangements	G09F 9/307

Informative references

Attention is drawn to the following places, which may be of interest for search:

Chemical, physical processes and apparatus using radiation	B01J 19/08
Chemical, physical processes and apparatus using IR-light	B01J 19/128
Drying using infrared radiation	F26B 3/30
Displays using incandescent lamps	G09F 9/307
Heating devices using lamps	H05B 3/0033
Heating elements made of non-metallic materials	H05B 3/14
Heating elements made of ceramic materials, oxides, carbides	H05B 3/141

Infrared halogen lamps for cooking plates	H05B 3/744
Circuits therefor	H05B 39/00

Special rules of classification

Documents should be classified in all appropriate classes, i. e. multi-aspect classification is used.

If a document concerns embodiments or elements in detail which are covered by several subgroups dependent on a higher hierarchy group, the relevant information is classified in all the respective subgroups.

The higher hierarchy group is to be used

- If no respective subgroup exists.
- If the general idea is relevant for the higher hierarchy as well as all the respective subgroups.

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

Lamp	includes tubes emitting ultra-violet or infra-red light
------	---

H01K 1/00

Details

Definition statement

This place covers:

Details of incandescent lamps classified in [H01K 5/00](#), [H01K 7/00](#), [H01K 9/00](#), [H01K 11/00](#) and [H01K 13/00](#).

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Details applicable to both incandescent and discharge lamps	H01J 5/00
---	---------------------------

H01K 1/22

Lamp stems (seals for leading conductors there through [H01K 1/38](#))

References

Limiting references

This place does not cover:

Seals for leading-in conductors	H01K 1/38
---------------------------------	---------------------------

H01K 1/26

Screens; Filters (associated with envelope [H01K 1/28](#))

Definition statement

This place covers:

Screens or filters structurally associated with the incandescent lamp.

References

Limiting references

This place does not cover:

Screens or filters structurally associated with the envelope	H01K 1/28
--	---------------------------

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](#))

References

Limiting references

This place does not cover:

Apparatus and processes for manufacture applicable to both discharge devices and incandescent lamps	H01J 9/00
---	---------------------------

Informative references

Attention is drawn to the following places, which may be of interest for search:

Manufacture of vessels from glass	C03B 3/00
-----------------------------------	---------------------------

H01K 5/00

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

Definition statement

This place covers:

Examples:

- Household lamps.
- Lamps for illumination of shops or public areas.

References

Limiting references

This place does not cover:

Lamps for purposes other than general lighting	H01K 7/00
Lamps having two or more incandescent bodies separately heated	H01K 9/00

Lamps having an incandescent body which is not conductively heated, e.g. heated inductively, heated by electronic discharge	H01K 11/00
Lamps having an incandescent body which is substantially non-conductive until heated, e. g. Nernst lamp	H01K 13/00

H01K 7/00

Lamps for purposes other than general lighting ([H01K 9/00](#) - [H01K 13/00](#) take precedence)

Definition statement

This place covers:

Examples:

- Lamps for cinematographic projectors.
- Lamps for automobile headlights intended to be used with projection systems.
- Lamps for indicating or for decorative purposes.
- Infrared or heater lamps.

References

Limiting references

This place does not cover:

Lamps for general lighting	H01K 5/00
Lamps having two or more incandescent bodies separately heated	H01K 9/00
Lamps having an incandescent body which is not conductively heated, e.g. heated inductively, heated by electronic discharge	H01K 11/00
Lamps having an incandescent body which is substantially non-conductive until heated, e. g. Nernst lamp	H01K 13/00

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 [F21V](#))

References

Limiting references

This place does not cover:

Producing narrow beams by optical means external to the lamp	F21V
--	----------------------

H01K 9/00

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

References**Limiting references**

This place does not cover:

Lamps having an incandescent body which is not conductively heated, e.g. heated inductively, heated by electronic discharge	H01K 11/00
Lamps having an incandescent body which is substantially non-conductive until heated, e. g. Nernst lamp	H01K 13/00

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)

References**Limiting references**

This place does not cover:

Lamps having an incandescent body which is substantially non-conductive until heated	H01K 13/00
--	----------------------------