

Title (en)

Light-screening film paint for lamps, and light-screening film for lamps and producing method thereof

Title (de)

Lichtabschirmender Anstrichmittel für Lampen, lichtabschirmender Film für Lampen und deren Herstellungsverfahren

Title (fr)

Peinture opaque à la lumière pour lampes, film opaque à la lumière pour lampes et leur procédé de fabrication

Publication

**EP 0797238 B1 20011017 (EN)**

Application

**EP 97104628 A 19970318**

Priority

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- JP 30540596 A 19961118

Abstract (en)

[origin: EP0797238A2] In the case of a highly luminous discharge lamp for automobiles, since a temperature rise to about 700 DEG C in the glass surface of a lamp during the lighting will lead to an exposure of the light-screening film 4 formed thereon also to a temperature of 700 DEG C, the temperature of the glass surface of a lamp rises and accordingly that of the light-screening film 4 formed thereon also rises. Especially with a highly luminous discharge lamp for automobiles, the temperature of the glass surface of the lamp rises to about 700 DEG C during the lighting and necessarily the light-screening film on the glass surface is also exposed to a temperature of 700 DEG C, a light-screening film material free of occurrence of discoloration or peeling even after exposure to a temperature of 700 DEG C has been desired. It is the object of the present invention to prepare a light-screening film paint for lamps comprising: at least one compound of either manganese oxide or iron oxide containing 5 mol% to 30 mol% of manganese; and powder glass containing at least one of compounds respectively of silica, zinc oxide, boron oxide and aluminum oxide, and moreover to produce a light-screening film by applying the above paint to the surface of a lamp, followed by the firing at a temperature of not higher than 1,200 DEG C. <IMAGE>

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IPC 8 full level

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