Title (en)

Lamp

Title (de)

Leuchte

Title (fr)

Luminaire

Publication

EP 1338845 A3 20070117 (DE)

Application

EP 03007163 A 20000419

Priority

- DE 19923225 A 19990520
- DE 29909282 U 19990527
- EP 00929391 A 20000419

Abstract (en)

[origin: US2002048168A1] There is proposed a luminaire (10) with which the exit angle of the light beams is restricted for the purpose of anti-dazzling. Further, in accordance with the invention there is attained in a simple manner and in particular without the employment of a light guide element a uniform emission of light over the entire surface of an optical element (14; 14-1, 14-2) arranged before or in the emission opening (13) of the luminaire (10). The optical element (14; 14-1, 14-2) has a plate-like core (16) of transparent material, which is occupied on one side with microprisms (17) which, with the formation of furrows (18)-starting from their roots-taper.

IPC 8 full level

F21S 8/00 (2006.01); **F21V 13/12** (2006.01); **F21S 8/04** (2006.01); **F21V 5/00** (2006.01); **F21V 5/02** (2006.01); **F21V 7/00** (2006.01); **F21V 7/22** (2006.01); **F21V 13/04** (2006.01); F21W 131/40 (2006.01); F21Y 103/00 (2006.01)

CPC (source: EP US)

F21S 8/04 (2013.01 - EP US); **F21V 5/002** (2013.01 - EP US); **F21V 5/02** (2013.01 - EP US); **F21V 7/0008** (2013.01 - EP US); **F21V 13/04** (2013.01 - EP US); F21V 7/005 (2013.01 - EP US); F21Y 2103/00 (2013.01 - EP US); F21Y 2113/00 (2013.01 - EP US)

Citation (search report)

- [XY] WO 9610148 A1 19960404 - MINNESOTA MINING & MFG [US]
- [YDA] WO 9736131 A1 19971002 - ALLIED SIGNAL INC [US]
- [A] US 5863114 A 19990126 - NAGATANI SHINPEI [JP], et al
- [PX] EP 0971258 A2 20000112 - SONY CORP [JP]

Cited by

EP1734300A1; WO2006133861A1; US7914170B2

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US 2002048168 A1 20020425; **US 6945670 B2 20050920**; AT E244852 T1 20030715; AU 4749700 A 20001212; AU 765828 B2 20031002; CA 2374023 A1 20001130; CA 2374023 C 20090630; DK 1179158 T3 20030804; EP 1179158 A1 20020213; EP 1179158 B1 20030709; EP 1338845 A2 20030827; EP 1338845 A3 20070117; EP 1338845 B1 20090819; ES 2202127 T3 20040401; JP 2003500813 A 20030107; NO 20015632 D0 20011119; NO 20015632 L 20011119; NZ 515195 A 20030429; PT 1179158 E 20030930; WO 0071927 A1 20001130

DOCDB simple family (application)

US 98846401 A 20011120; AT 00929391 T 20000419; AU 4749700 A 20000419; CA 2374023 A 20000419; DK 00929391 T 20000419; EP 0003571 W 20000419; EP 00929391 A 20000419; EP 03007163 A 20000419; ES 00929391 T 20000419; JP 2000620277 A 20000419; NO 20015632 A 20011119; NZ 51519500 A 20000419; PT 00929391 T 20000419