

Title (en)
IMPROVED LIGHT-GUIDING BODIES AND METHOD FOR THE PRODUCTION THEREOF

Title (de)
VERBESSERTE LICHTLEITKÖRPER SOWIE VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)
ELEMENT DE GUIDAGE DE LUMIERE AMELIORE ET PROCEDE DE PRODUCTION DE CET ELEMENT

Publication
EP 1492981 A2 20050105 (DE)

Application
EP 03752663 A 20030506

Priority
• DE 10222250 A 20020516
• EP 0304719 W 20030506

Abstract (en)
[origin: WO03098270A2] The invention relates to a light-guiding body comprising at least one light-admitting surface, at least one light-emitting surface, the proportion between the light-emitting surface and the light-admitting surface being at least 4, and at least one light-guiding layer. The inventive light-guiding body is characterized by the fact that the light-guiding layer is provided with at least 60 percent by weight of polymethylmethacrylate and 0.0001 to 0.2 percent by weight of spherical particles having an average diameter ranging from 0.3 to 40 nm, the percentages by weight being in relation to the total weight of the light-guiding layer, while the light-emitting surface of the light-guiding layer is provided with structures.

IPC 1-7
F21V 8/00; B29D 11/00; G02B 6/00; G02B 1/04; G02F 1/1335

IPC 8 full level
G02B 6/00 (2006.01); **F21V 8/00** (2006.01); **F21Y 103/00** (2006.01)

CPC (source: EP US)
G02B 6/0041 (2013.01 - EP US); **G02B 6/0065** (2013.01 - EP US); **G02B 6/0036** (2013.01 - EP US)

Citation (search report)
See references of WO 03098270A2

Cited by
DE102009027288A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 03098270 A2 20031127; **WO 03098270 A3 20041014**; AU 2003250816 A1 20031202; AU 2003250816 A8 20031202;
CA 2484684 A1 20031127; CN 1653295 A 20050810; DE 10222250 A1 20031127; EP 1492981 A2 20050105; JP 2005531104 A 20051013;
PL 371782 A1 20050627; TW 200401117 A 20040116; TW I269056 B 20061221; US 2005084993 A1 20050421; ZA 200409164 B 20050518

DOCDB simple family (application)
EP 0304719 W 20030506; AU 2003250816 A 20030506; CA 2484684 A 20030506; CN 03811149 A 20030506; DE 10222250 A 20020516;
EP 03752663 A 20030506; JP 2004505739 A 20030506; PL 37178203 A 20030506; TW 92113065 A 20030514; US 50192504 A 20040728;
ZA 200409164 A 20041111