

Title (en)
Luminous body

Title (de)
Leuchtkörper

Title (fr)
Corps lumineux

Publication
EP 1621809 B1 20071212 (DE)

Application
EP 04018179 A 20040730

Priority
EP 04018179 A 20040730

Abstract (en)
[origin: EP1621809A1] A LED (4), located within a recess in a casing (2), emits light along an optical axis (2A). A primary focusing lens (6) and a secondary focusing lens (8) are set into the casing and located along the optical axis to focus the light emitted by the LED. The curved surface of the recess curves toward the primary focusing lens.

IPC 8 full level
F21V 5/00 (2006.01); **F21L 4/00** (2006.01); **F21L 14/02** (2006.01); **F21V 5/04** (2006.01); **F21V 7/00** (2006.01)

CPC (source: EP KR US)
F21S 2/00 (2013.01 - KR); **F21V 5/04** (2013.01 - EP KR US); **F21Y 2115/10** (2016.07 - EP US)

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 PL PT RO SE SI SK TR

Designated extension state (EPC)
LV

DOCDB simple family (publication)
EP 1621809 A1 20060201; **EP 1621809 B1 20071212**; AT E380976 T1 20071215; AU 2005202265 A1 20060216; AU 2005202265 B2 20080807; CA 2511253 A1 20051015; CA 2511253 C 20070529; CN 1727744 A 20060201; DE 502004005705 D1 20080124; ES 2294407 T3 20080401; JP 2006049283 A 20060216; KR 20060049901 A 20060519; PL 1621809 T3 20080530; US 2006023458 A1 20060202; US 7222991 B2 20070529

DOCDB simple family (application)
EP 04018179 A 20040730; AT 04018179 T 20040730; AU 2005202265 A 20050525; CA 2511253 A 20050727; CN 200510087318 A 20050728; DE 502004005705 T 20040730; ES 04018179 T 20040730; JP 2005173359 A 20050614; KR 20050060891 A 20050706; PL 04018179 T 20040730; US 2844204 A 20041231