

Title (en)  
Vehicle headlamp with light emitting diodes

Title (de)  
KfZ-Scheinwerfer mit Leuchtdioden

Title (fr)  
Dispositif projecteur de véhicule automobile équipé de diodes électroluminescentes

Publication  
**EP 1452795 B1 20091118 (FR)**

Application  
**EP 04290247 A 20040130**

Priority  
FR 0301511 A 20030207

Abstract (en)  
[origin: EP1452795A2] The device has a reflector (400) for reflecting luminous rays produced by a luminous source that consists of series of electroluminescent diodes (401). Each electroluminescent diode is oriented in such a manner so that a part of its radiation attains a specific zone (403-p1 to 403-p3) of reflection on the reflector. Each specific zone provides a specific light distribution in the production of the luminous rays.

IPC 8 full level  
**F21V 7/09** (2006.01); **F21S 8/10** (2006.01); **F21V 7/00** (2006.01); **F21V 17/00** (2006.01); **F21K 99/00** (2010.01); **F21W 101/10** (2006.01); **F21W 107/10** (2018.01); **F21Y 101/00** (2016.01); **F21Y 101/02** (2006.01)

CPC (source: EP US)  
**F21S 41/148** (2018.01 - EP US); **F21S 41/151** (2018.01 - EP US); **F21S 41/335** (2018.01 - EP); **F21S 41/663** (2018.01 - EP US); **F21W 2102/00** (2018.01 - US); **F21W 2102/30** (2018.01 - EP); **F21Y 2113/20** (2016.08 - EP US); **F21Y 2115/10** (2016.08 - EP US)

Cited by  
EP2275734A1; FR3139881A1; EP2278217A1; FR2948439A1; EP3073185A1; WO2024061970A1; WO2023285339A1

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)  
**EP 1452795 A2 20040901**; **EP 1452795 A3 20070509**; **EP 1452795 B1 20091118**; AT E449285 T1 20091215; DE 602004024149 D1 20091231; ES 2334132 T3 20100305; FR 2851029 A1 20040813; FR 2851029 B1 20060113; JP 2004241388 A 20040826; JP 4651951 B2 20110316; US 2004156211 A1 20040812

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**EP 04290247 A 20040130**; AT 04290247 T 20040130; DE 602004024149 T 20040130; ES 04290247 T 20040130; FR 0301511 A 20030207; JP 2004028241 A 20040204; US 77168104 A 20040203