

Title (en)
Vehicle headlamp

Title (de)
Scheinwerfer für ein Fahrzeug

Title (fr)
Projecteur pour véhicules

Publication
EP 1459934 A3 20080220 (DE)

Application
EP 04004763 A 20040302

Priority
DE 10311853 A 20030317

Abstract (en)
[origin: EP1459934A2] The headlamp (1) for a vehicle comprises a semiconductor light source (4) which radiates infrared light, and is provided with a thermally joined cooling element (5) extending from the light source into or through the transparent lamp cover (3).

IPC 8 full level
B60Q 1/04 (2006.01); **F21S 8/10** (2006.01); **F21V 29/00** (2006.01); **F21W 101/10** (2006.01)

CPC (source: EP US)
F21S 41/13 (2017.12 - EP US); **F21S 45/10** (2017.12 - EP US); **F21S 45/48** (2017.12 - EP US); **F21V 29/773** (2015.01 - EP US); **F21V 29/80** (2015.01 - EP US); **F21S 45/33** (2017.12 - US); **F21S 45/43** (2017.12 - EP US); **F21V 7/0008** (2013.01 - EP US); **F21Y 2115/10** (2016.07 - EP US); **Y10S 362/80** (2013.01 - EP US)

Citation (search report)

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- [A] US 5174646 A 19921229 - SIMINOVITCH MICHAEL J [US], et al
- [A] US 1950918 A 19340313 - FORBES ROBERT A
- [A] DE 20002565 U1 20010628 - ZUMTOBEL STAFF GMBH [AT]
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Designated contracting state (EPC)
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Designated extension state (EPC)
AL LT LV MK

DOCDB simple family (publication)
EP 1459934 A2 20040922; **EP 1459934 A3 20080220**; DE 10311853 A1 20041007; DE 10311853 B4 20050324; JP 2004281407 A 20041007; JP 3859159 B2 20061220; US 2004202005 A1 20041014; US 7281823 B2 20071016

DOCDB simple family (application)
EP 04004763 A 20040302; DE 10311853 A 20030317; JP 2004075861 A 20040317; US 80134904 A 20040316