

Title (en)  
Projection type motor vehicle headlamp

Title (de)  
Scheinwerfer für Fahrzeuge nach dem Projektionsprinzip

Title (fr)  
Phare du type projecteur

Publication  
**EP 0937942 A3 20011024 (DE)**

Application  
**EP 98121941 A 19981119**

Priority  
DE 19807153 A 19980220

Abstract (en)  
[origin: JPH11283405A] PROBLEM TO BE SOLVED: To form beams in sufficient maximum illuminance in a second actuating position of headlamps in a second state of diaphragm devices by providing another diaphragm device arranged by being dislocated in the optical axis direction to a first diaphragm device and variable between a first state and the second state. SOLUTION: First/second diaphragm devices 20, 30 exist in a second position for an actuating position of headlamps for a high beam. In that case, the first/ second diaphragm devices 20, 30 are arranged in a beam passage of the light reflected by a reflector 10 to these first position by being separated by at least a slight width, so that only the small part of the light reflected by the reflector 10 is shielded. The first/second diaphragm devices 20, 30 are advantageously moved from the beam passage of the light completely reflected by the reflector 10, so that the whole light reflected by the reflector 10 can pass through a lens 16.

IPC 1-7  
**F21M 3/18**

IPC 8 full level  
**B60Q 1/00** (2006.01); **F21S 8/10** (2006.01); **F21V 11/00** (2006.01)

CPC (source: EP US)  
**F21S 41/43** (2017.12 - EP US); **F21S 41/645** (2017.12 - EP US)

Citation (search report)  
• [AD] DE 4002576 A1 19910801 - BOSCH GMBH ROBERT [DE]  
• [A] DE 19537838 A1 19970417 - BOSCH GMBH ROBERT [DE]  
• [A] DE 4102586 A1 19910801 - HONDA MOTOR CO LTD [JP], et al

Cited by  
EP2381164A3; FR2868828A1; EP1584862A1; US7347602B2; DE102009027711A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 0937942 A2 19990825**; **EP 0937942 A3 20011024**; **EP 0937942 B1 20070627**; DE 19807153 A1 19990826; DE 59814042 D1 20070809; JP 4460666 B2 20100512; JP H11283405 A 19991015; US 2001021113 A1 20010913; US 6312147 B2 20011106

DOCDB simple family (application)  
**EP 98121941 A 19981119**; DE 19807153 A 19980220; DE 59814042 T 19981119; JP 4380499 A 19990222; US 21773398 A 19981221