

Title (en)  
Motor vehicle headlamp of the projection type

Title (de)  
Scheinwerfer nach dem Projektionstyp für Kraftfahrzeuge

Title (fr)  
Phare du type projecteur pour véhicules automobiles

Publication  
**EP 1054210 A3 20020220 (EN)**

Application  
**EP 00304175 A 20000517**

Priority  
CZ 173899 A 19990517

Abstract (en)  
[origin: EP1054210A2] A two-functional projecting headlamp with modes for a dipped and a long-distance light beams comprised of a light source (1), an internal reflector (2), an external reflector (3), an objective (4) an internal shade (51), external shades (61) and (62), a frame (7), an electric part (8) and a moving mechanism (9), where in the dipped mode the internal shade (51) is projected on a road surface by means of an objective (4) on a light background of said internal reflector (2) and produces so a boundary between light and darkness and said external shades (61), (62) obstruct the path of rays emitted by said source (1) in the direction to said external reflector (3) and in the long-distance mode said switching mechanism (9) fixed to said frame (7) moves all shades into such positions where none of said shades obstructs the path of the outgoing light beam and on the road surface two light traces, the one produced by the internal (2) and the one produced by external (3) reflectors, are added. <IMAGE>

IPC 1-7  
**F21S 8/10**

IPC 8 full level  
**F21V 13/04** (2006.01); **B60Q 1/04** (2006.01); **B60Q 1/16** (2006.01); **F21V 5/00** (2018.01); **F21V 7/00** (2006.01); **F21V 14/08** (2006.01)

CPC (source: EP US)  
**F21S 41/335** (2017.12 - EP); **F21S 41/36** (2017.12 - EP US); **F21S 41/689** (2017.12 - EP US); **F21S 41/25** (2017.12 - EP)

Citation (search report)  
• [PA] DE 19756437 A1 19990624 - BOSCH GMBH ROBERT [DE]  
• [A] FR 2669399 A1 19920522 - CARELLO SPA [IT]  
• [A] GB 2179132 A 19870225 - BOSCH GMBH ROBERT  
• [A] EP 0573994 A2 19931215 - STANLEY ELECTRIC CO LTD [JP]

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EP2407710A3; EP1219887A3

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**EP 1054210 A2 20001122**; **EP 1054210 A3 20020220**; **EP 1054210 B1 20060705**; CZ 9901738 A3 20010117; DE 60029163 D1 20060817; DE 60029163 T2 20070628; ES 2277585 T3 20070716

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