

Title (en)
Push-in light shield

Title (de)
Lichtblende mit Einsteckverbindung

Title (fr)
Cache avec connexion d'insertion

Publication
EP 1452799 A2 20040901 (EN)

Application
EP 04004196 A 20040225

Priority
• US 44998203 P 20030226
• US 43108703 A 20030507

Abstract (en)
An automotive headlamp shield may be formed with a self-locating mount. The housing (12) contains a mounting receptacle (14) with three closed sides (16,18,20), an open side (22), a substantially solid bottom (24) with a laterally extending slot (26) and a top (28) containing an opening (60). One sub-assembly (30) has a planar surface (32) with an aperture (34), a solid rear wall (36) and a depending side wall (38). When assembled, the depending sidewall fits into the slot and protrudes therefrom. Another sub-assembly (40) has an upper surface (44) and four walls including a front wall (46), a back wall (48) and two sides (50,52). A compressible planar latch (54) is associated with the upper surface (44) and a first spring (56) is associated with a side (50) and a second spring (58) is associated with the back (48). The second sub-assembly is hollow and the springs and the compressible latch are formed from the upper surface and respective sides. The structure is light weight and easy to manipulate. <IMAGE>

IPC 1-7
F21V 17/00; **F21V 17/16**; **F21V 11/16**

IPC 8 full level
F21S 8/10 (2006.01); **F21V 11/16** (2006.01); **F21V 17/00** (2006.01); **F21W 101/10** (2006.01); **F21Y 101/00** (2016.01)

CPC (source: EP)
F21S 41/43 (2018.01); **F21S 41/47** (2018.01)

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 1452799 A2 20040901; **EP 1452799 A3 20051019**; **EP 1452799 B1 20070103**; AT E350621 T1 20070115; DE 602004003977 D1 20070215; JP 2004259699 A 20040916

DOCDB simple family (application)
EP 04004196 A 20040225; AT 04004196 T 20040225; DE 602004003977 T 20040225; JP 2004049601 A 20040225