

Title (en)
High beam and low beam switching apparatus

Title (de)
Fern- und Abblendlichtschaltvorrichtung

Title (fr)
Dispositif de commutation entre faisceau de route et faisceau à coupure

Publication
EP 1701088 A1 20060913 (EN)

Application
EP 06101134 A 20060201

Priority
EP 06101134 A 20060201

Abstract (en)
A light beam and low beam switching apparatus includes an anchor plate (11) with a mask plate (30) hinged on one side against a notch (13) which is formed on a upper end of the anchor plate (11) corresponding to a lighting element (72) and a drawing plate (50) coupling with a lower end of the mask plate (30) on one side directing towards a light penetrating cover (80) that has a coupling slot (52) in the middle portion to couple with a stem (24) of a solenoid valve (20). The mask plate (30) is pivotally coupled on hinge docks (15) located on the anchor plate (11) through an elastic latch member (40). Thereby the solenoid valve (20) can drive the drawing plate (50) to synchronously sway the mask plate (30) to change the size of the light source area. Switching operation is steadier and smoother, and loading of the elements can be reduced to enhance durability.

IPC 8 full level
F21V 14/08 (2006.01); **B60Q 1/14** (2006.01)

CPC (source: EP)
F21S 41/686 (2017.12)

Citation (search report)
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• [A] EP 1559952 A2 20050803 - ICHIKOH INDUSTRIES LTD [JP]
• [A] DE 19843287 A1 19990401 - VALEO VISION [FR]

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