

Title (en)

CUT-OFF MECHANISM INCLUDING A STRIP ACTUATED BY AN ELECTROMAGNET COMPRISING TWO AIR-GAPS

Title (de)

ABBLENDMECHANISMUS MIT EINER DURCH EINEN ELEKTROMAGNETEN MIT ZWEI LUFTSPALTEN BETÄTIGTEN BLENDE

Title (fr)

MÉCANISME DE COUPURE COMPORTANT UNE BARRETTE ACTIONNÉE PAR UN ÉLECTROAIMANT À DEUX ENTREFERS

Publication

**EP 3234452 B1 20220413 (FR)**

Application

**EP 15805576 A 20151104**

Priority

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- FR 2015052974 W 20151104

Abstract (en)

[origin: WO2016097505A1] Cut-off mechanism for an automotive vehicle headlamp comprising a strip (5) borne by a movable assembly (40) and shaped to block to a greater or lesser extent a light beam so as to change the optical operating mode of said headlamp, said mechanism furthermore comprising a motor (6) for actuating said movable assembly using an electromagnet including an inductive coil (61) associated with a fixed ferromagnetic core (62) positioned in its centre and with a metal carcass (64) surrounding said coil, said movable assembly being movable under the action of said electromagnet, against the action of a return spring, between a contact position and a distant position, via a first air-gap (h1) of said ferromagnetic core (62). Said movable assembly (40) is shaped to create a rupture in the continuity of the magnetic circuit formed by said ferromagnetic core (62), said metal carcass (64) and said movable assembly (40), when it makes contact with said ferromagnetic core (62).

IPC 8 full level

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CPC (source: CN EP)

**F21S 41/686** (2017.12 - CN EP); **F21V 5/04** (2013.01 - CN); **F21V 11/183** (2013.01 - CN); **F21W 2102/00** (2017.12 - CN)

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