

Title (en)
Vehicle lamp

Title (de)
Fahrzeuglampe

Title (fr)
Lampe de véhicule

Publication
EP 2138760 B1 20121212 (EN)

Application
EP 09163503 A 20090623

Priority
JP 2008162835 A 20080623

Abstract (en)
[origin: EP2138760A2] A vehicle lamp (10) includes: a convex lens (12) disposed on an optical axis (Ax) extending in a longitudinal direction of a vehicle; and a light emitting element (14) disposed near a rear focal point (F) of the convex lens (12) to face a forward direction. The convex lens (12) controls deflection of light emitted from the light emitting element (14) to form a light distribution pattern having cut-off lines at the upper end thereof. The convex lens (12) includes a first lens region (12Z1) which deflects and diffuses the light toward a first direction and a second lens region (12Z2) which deflects and diffuses the light toward a second direction. The second direction forms an obtuse angle with respect to the first direction. The convex lens (12) selects: a first angular position where the first direction is a horizontal direction; and a second angular position where the second direction is the horizontal direction.

IPC 8 full level
F21S 8/12 (2006.01); **F21V 14/04** (2006.01); **F21W 101/10** (2006.01)

CPC (source: EP US)
F21S 41/255 (2018.01 - EP); **F21S 41/265** (2018.01 - EP); **F21S 41/62** (2018.01 - EP); **F21S 41/635** (2018.01 - EP US);
F21S 41/295 (2018.01 - EP); **F21W 2102/155** (2018.01 - EP); **F21Y 2115/10** (2016.08 - EP US)

Cited by
FR2973861A1; EP2565521A3; FR2993632A1; CN105008793A; RU2597206C1; US9664353B2; WO2012098142A1; WO2014012878A1

Designated contracting state (EPC)
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