

Title (en)
VEHICULAR LIGHTING EQUIPMENT

Title (de)
FAHRZEUGBELEUCHTUNGSVORRICHTUNG

Title (fr)
ÉQUIPEMENT D'ÉCLAIRAGE POUR VÉHICULE

Publication
EP 2280214 A1 20110202 (EN)

Application
EP 09754705 A 20090526

Priority
• JP 2009059620 W 20090526
• JP 2008139586 A 20080528

Abstract (en)
A vehicle lamp of a direct projection type is configured to control deflection of direct light from a light emitting surface 14A serving as a surface light source using a convex lens 12. A lower end edge of the light emitting surface 14A includes a first side 14A1 and a second side 14A2, each extending linearly so as to form an obtuse angle with each other in a front view of the lamp, a point of intersection thereof is positioned on a rear focal point F of the convex lens 12, and is disposed to face forward such that the first side 14A1 is disposed on a horizontal plane including an optical axis Ax. It is configured such that, using first and second lens portions 12Z1, 12Z2 of the convex lens 12 respectively, the light from the light emitting surface 14A is deflected and/or diffused in directions respectively parallel to the first side 14A1 and the second side 14A2. According to this vehicle lamp, it is possible to form a light distribution pattern having horizontal and oblique cutoff lines on an upper end portion thereof, while providing a degree of freedom for a light intensity distribution on the light distribution pattern and suppressing generation of great unevenness in light distribution on a road surface ahead of a vehicle.

IPC 8 full level
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Cited by
EP2503226A3; CN106764809A; CN108603646A; EP4050257A4; CN104736926A; EP2910848A4; EP3460319A1; CN109539160A; US9482401B2; US9638386B2; US9822942B2; US10731816B2; US10502381B2; EP2921769A4; DE102017105027A1; US2018259147A1; CN108571702A; WO2015071529A1; US9816677B2; US10281102B2; US10465873B2; WO2024131722A1; EP2578452B1

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