

Title (en)
LIGHTING DEVICE WITH MASK HAVING 3D PATTERNS

Title (de)
BELEUCHTUNGSVORRICHTUNG MIT MASKE MIT 3D-MOTIVEN

Title (fr)
DISPOSITIF D'ÉCLAIRAGE À MASQUE À MOTIFS 3D

Publication
EP 3354979 A1 20180801 (FR)

Application
EP 18152908 A 20180123

Priority
FR 1750669 A 20170127

Abstract (en)
[origin: CN108361648A] Provided is a lighting device (DE). The lighting device comprises at least one light source (SL) capable of generating a photon and a shielding part (M) enabling the generated photon to pass at a pre-reserved location. The shielding part (M) comprises a front surface (FV). The front surface faces exterior orientation and is equipped with three-dimensional elements (ET) with each comprising a non-transparent main surface (FP) and at least one side surface (FL). The at least one side surface tilts towards the main surface (FP) and ensures connection between the main surface (FP) and a main surface (FP) of at least one adjacent another three-dimensional element (ET). Additionally, at least one side surface is transparent in order to form one of a pre-reserved location where the generated photon passes.

Abstract (fr)
Un dispositif d'éclairage (DE) comprend au moins une source de lumière (SL) propre à générer des photons et un masque (M) propre à laisser passer les photons générés en des endroits prédéfinis. Le masque (M) comprend une face avant (FV), orientée vers l'extérieur, et munie d'éléments tridimensionnels (ET) comportant chacun une face principale (FP) opaque et au moins une face latérale (FL) inclinée par rapport à la face principale (FP), assurant une jonction entre cette dernière (FP) et une face principale (FP) d'au moins un autre élément tridimensionnel (ET) voisin, et transparente afin de constituer l'un des endroits prédéfinis par lesquels passent les photons.

IPC 8 full level
F21V 11/14 (2006.01); **B60Q 1/26** (2006.01); **F21S 41/147** (2018.01); **F21S 41/43** (2018.01); **F21S 41/50** (2018.01); **F21S 43/50** (2018.01)

CPC (source: CN EP)
F21S 41/155 (2018.01 - CN); **F21S 41/30** (2018.01 - CN); **F21S 41/40** (2018.01 - CN); **F21S 43/14** (2018.01 - EP); **F21S 43/26** (2018.01 - EP); **F21S 43/31** (2018.01 - EP); **F21S 43/50** (2018.01 - EP); **F21V 7/10** (2013.01 - CN); **F21W 2107/10** (2018.01 - CN)

Citation (applicant)
FR 3011312 A1 20150403 - PEUGEOT CITROEN AUTOMOBILES SA [FR]

Citation (search report)
• [XYI] US 4654761 A 19870331 - WALSH PHILLIP D [US]
• [X] US 2813971 A 19571119 - PICKETT LESTER D
• [Y] FR 3011312 A1 20150403 - PEUGEOT CITROEN AUTOMOBILES SA [FR]
• [A] FR 3022608 A1 20151225 - PEUGEOT CITROEN AUTOMOBILES SA [FR]
• [A] EP 1149732 A1 20011031 - AXO SCINTEX CIE EQUIP AUTOMOBIL [FR]
• [A] FR 2905321 A1 20080307 - PEUGEOT CITROEN AUTOMOBILES SA [FR]
• [A] DE 3336178 A1 19850425 - BOSCH GMBH ROBERT [DE]
• [A] EP 3106348 A1 20161221 - AUTOMOTIVE LIGHTING ITALIA SPA [IT]

Cited by
FR3103538A1; EP4065884B1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3354979 A1 20180801; **EP 3354979 B1 20230809**; CN 108361648 A 20180803; CN 108361648 B 20211022; FR 3062454 A1 20180803; FR 3062454 B1 20190315

DOCDB simple family (application)
EP 18152908 A 20180123; CN 201810086360 A 20180129; FR 1750669 A 20170127