

Title (en)

OPTICAL UNIT WITH REINFORCED EXTERNAL RIB FOR THE LATERAL BEARING OF A BUMPER OF A LAND VEHICLE

Title (de)

OPTISCHE EINHEIT MIT VERSTÄRKTER AUSSENRIPE FÜR DIE SEITLICHE LAGERUNG EINES STOSSFÄNGERS EINES LANDFAHRZEUGS

Title (fr)

BLOC OPTIQUE À NERVURE EXTERNE RENFORCÉE POUR L'APPUI LATÉRAL D'UN PARE-CHOCS D'UN VÉHICULE TERRESTRE

Publication

**EP 4323690 A1 20240221 (FR)**

Application

**EP 22713978 A 20220310**

Priority

- FR 2103798 A 20210413
- FR 2022050438 W 20220310

Abstract (en)

[origin: WO2022219259A1] An optical unit (BO) equips a land vehicle comprising a bumper, and comprises an outer lens (GL) having a main part (PP) and an external lateral part (PLE) which are defined by first and second injections of first (M1) and second (M2) plastics materials, the main part (PP) comprising a rib (N1) having a bearing surface (SA1) on which an upper part of the bumper bears. This rib (N1) is situated just in front of the interface with the external lateral part (PLE) and comprises a concave housing (LC) defined during the first injection by being open towards the latter and then at least partially filled with the second plastics material (M2) during the second injection.

IPC 8 full level

**F21S 41/20** (2018.01); **B29C 45/00** (2006.01); **B29C 45/16** (2006.01); **F21S 41/55** (2018.01)

CPC (source: EP)

**B29C 45/0003** (2013.01); **B29C 45/1657** (2013.01); **F21S 41/28** (2018.01); **F21S 41/55** (2018.01)

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**FR 3121734 A1 20221014**; **FR 3121734 B1 20230224**; CN 117203465 A 20231208; EP 4323690 A1 20240221; WO 2022219259 A1 20221020

DOCDB simple family (application)

**FR 2103798 A 20210413**; CN 202280028321 A 20220310; EP 22713978 A 20220310; FR 2022050438 W 20220310