

Title (en)
REINFORCING ELEMENT FOR REINFORCING A STRUCTURAL ELEMENT

Title (de)
VERSTÄRKUNGSELEMENT ZUR VERSTÄRKUNG EINES STRUKTURELEMENTES

Title (fr)
ÉLÉMENT DE RENFORCEMENT DESTINÉ À RENFORCER UN ÉLÉMENT DE STRUCTURE

Publication
EP 4146527 A1 20230315 (DE)

Application
EP 21725102 A 20210507

Priority
• EP 20173730 A 20200508
• EP 2021062189 W 20210507

Abstract (en)
[origin: WO2021224472A1] The invention relates to a reinforcing element for reinforcing a structural element in a motor vehicle, said reinforcing element comprising: a support element which is manufactured using a pultrusion method and which has a longitudinal axis which, when in use, extends substantially along a longitudinal axis of the structural element, said support element having a plurality of outer surfaces extending in the direction of the longitudinal axis; an adhesive for bonding the support element to the structural element; and at least one wall located on an outer surface; wherein the adhesive is located at least on the same outer surface of the support element as the at least one wall.

IPC 8 full level
B62D 25/00 (2006.01); **B62D 27/02** (2006.01); **B62D 29/04** (2006.01)

CPC (source: EP US)
B29C 70/52 (2013.01 - US); **B62D 25/00** (2013.01 - EP); **B62D 27/026** (2013.01 - EP); **B62D 29/04** (2013.01 - EP US);
B29K 2105/0097 (2013.01 - US); **B29K 2995/0094** (2013.01 - US); **B29L 2031/30** (2013.01 - US)

Citation (search report)
See references of WO 2021224472A1

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)
EP 3907123 A1 20211110; CN 115515843 A 20221223; EP 4146527 A1 20230315; US 2023202584 A1 20230629;
WO 2021224472 A1 20211111

DOCDB simple family (application)
EP 20173730 A 20200508; CN 202180033060 A 20210507; EP 2021062189 W 20210507; EP 21725102 A 20210507;
US 202117923507 A 20210507