

Title (en)

MOULDED BODY COMPRISING A STRUCTURED SURFACE FOR CONTROLLED ADHESION

Title (de)

FORMKÖRPER MIT STRUKTURIERTER OBERFLÄCHE ZUR GESTEUERTEN ADHÄSION

Title (fr)

CORPS MOULÉ COMPRENANT UNE SURFACE STRUCTURÉE POUR UNE ADHÉRENCE CONTRÔLÉE

Publication

EP 4133021 A1 20230215 (DE)

Application

EP 21718078 A 20210407

Priority

- DE 102020109939 A 20200409
- EP 2021059002 W 20210407

Abstract (en)

[origin: CA3174343A1] The invention relates to a moulded body comprising a structured surface, wherein the surface has a structuring including a plurality of protrusions (pillars), at least each having a stem and comprising an end face pointing away from the surface. With this end face, the protrusions come into contact with the surface of the adhered object, wherein at least one protrusion comprises at least one structural feature, which, when loading the protrusion, leads to a directed deformation of the protrusion by changing the adhesion.

IPC 8 full level

C09J 7/00 (2006.01); **A61L 27/50** (2006.01); **F16B 5/07** (2006.01)

CPC (source: EP KR US)

C09J 7/00 (2013.01 - EP KR US); **C09J 2301/31** (2020.08 - EP KR US)

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)

DE 102020109939 A1 20211014; CA 3174343 A1 20211014; EP 4133021 A1 20230215; JP 2023521329 A 20230524; JP 7394497 B2 20231208; KR 20220153660 A 20221118; US 12024656 B2 20240702; US 2023151247 A1 20230518; WO 2021204840 A1 20211014

DOCDB simple family (application)

DE 102020109939 A 20200409; CA 3174343 A 20210407; EP 2021059002 W 20210407; EP 21718078 A 20210407; JP 2022561015 A 20210407; KR 20227037792 A 20210407; US 202117916825 A 20210407