

Title (en)

TRANSFER FILM, PLASTICS INJECTION-MOULDED PART AND METHOD FOR THE PRODUCTION THEREOF

Title (de)

TRANSFERFOLIE, KUNSTSTOFFSPRITZGUSSTEIL UND VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)

FEUILLE DE TRANSFERT, PIÈCE EN PLASTIQUE MOULÉE PAR INJECTION ET PROCÉDÉ POUR LEUR FABRICATION

Publication

EP 4192693 A1 20230614 (DE)

Application

EP 21745752 A 20210715

Priority

- DE 102020120754 A 20200806
- EP 2021069680 W 20210715

Abstract (en)

[origin: CA3187470A1] The invention relates to methods for producing a transfer film (1), in particular IMD transfer film (1), wherein the following steps are carried out, in particular in the specified order: a) preparing a carrier ply (3), b) preparing a transfer ply (2) comprising a decorative ply (21), wherein the transfer ply (2) has been or is arranged on the carrier ply (3), c) applying one or more forming elements (40) to the carrier ply (3), wherein the one or more forming elements (40) have a three-dimensional shape and are applied register-accurately with respect to the decorative ply (21). The invention further relates to a method for coating a plastic injection-molded article with the transfer film, as well as the transfer film and the plastic injection-molded article.

IPC 8 full level

B44C 1/17 (2006.01); **B44C 3/02** (2006.01); **B44C 5/04** (2006.01)

CPC (source: EP KR US)

B29C 45/14688 (2013.01 - US); **B29C 45/14811** (2013.01 - EP); **B32B 27/06** (2013.01 - US); **B32B 27/40** (2013.01 - US); **B44C 1/1712** (2013.01 - EP KR US); **B44C 3/025** (2013.01 - EP KR US); **B44C 5/0453** (2013.01 - EP KR US); **B29C 2045/14737** (2013.01 - US); **B29K 2995/0025** (2013.01 - US); **B29K 2995/0026** (2013.01 - US); **B32B 2307/41** (2013.01 - US); **B32B 2307/412** (2013.01 - US); **B32B 2451/00** (2013.01 - 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 102020120754 A1 20220210; CA 3187470 A1 20220210; CN 116323240 A 20230623; EP 4192693 A1 20230614; JP 2023539434 A 20230914; KR 20230047445 A 20230407; MX 2023001484 A 20230308; US 2023302845 A1 20230928; WO 2022028838 A1 20220210

DOCDB simple family (application)

DE 102020120754 A 20200806; CA 3187470 A 20210715; CN 202180066942 A 20210715; EP 2021069680 W 20210715; EP 21745752 A 20210715; JP 2023507655 A 20210715; KR 20237007593 A 20210715; MX 2023001484 A 20210715; US 202118019124 A 20210715