

CORRECTED VERSION

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
12 April 2007 (12.04.2007)

PCT

(10) International Publication Number
WO 2007/039085 A1(51) International Patent Classification:
B29C 70/38 (2006.01) B29C 70/54 (2006.01)

(72) Inventors; and

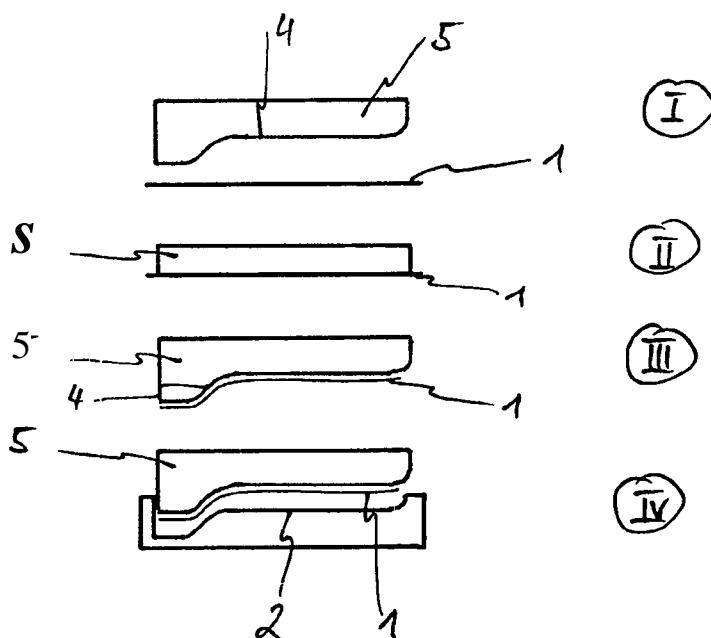
(75) Inventors/Applicants (for US only): **EBERTH, Ulrich**
[DE/DE]; Carl-Goerdeler Weg 3, 21684 Stade (DE).
KRAFFT, Hans-Martin [DE/DE]; Kehdinger Mühren
20, 21682 Stade (DE). **FRIEDRICH, Martin** [DE/DE];
Am Kuckucksberg 20, 31177 Harsum (DE).(21) International Application Number:
PCT/EP2006/009065(74) Agent: **SCHINDELLEMMAN, Peter**; Maiwald Patentan-
wälts GmbH, Elisenhof, Elisenstrasse 3, 80335 München
(DE).(22) International Filing Date:
18 September 2006 (18.09.2006)(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP,
KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT,
LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ,
NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU,
SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR,
TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

(25) Filing Language: English

(26) Publication Language: English

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,*[Continued on next page]*

(54) Title: METHOD AND DEVICE FOR PLACING THIN MATERIAL LAYERS ONTO A RELIEF MOULD



(57) Abstract: The present invention relates to a method and a device for placing at least one material layer (1) onto a relief mould (2) for producing a composite material. Thereby, an elastically-reversibly deformable body (5) with a surface relief that is designed to correspond to the relief mould (2) is pressed against the material layer (1), as a result of which the surface (4) of said body (5) is deformed, and the material layer (1) can be picked up. As a result of its elastically-reversible characteristics the body (5) subsequently deforms back to its initial state so that the material layer (1) can easily be placed onto the relief mould (2).



GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(48) Date of publication of this corrected version:

15 May 2008

(15) Information about Correction:

see Notice of 15 May 2008

Published:

— *with international search report*