

Title (en)

DEVICE AND METHOD FOR A MEMBRANE LAMINATING PROCESS WITH A BENT-BACK SECTION IN A METHOD STEP

Title (de)

VORRICHTUNG UND VERFAHREN ZUM MEMBRANKASCHIEREN MIT UMBUG IN EINEM VERFAHRENSSCHRITT

Title (fr)

DISPOSITIF ET PROCÉDÉ DE CONTRE-COLLAGE DE MEMBRANE AVEC RABAT AU COURS D'UNE ÉTAPE DE PROCÉDÉ

Publication

**EP 4330009 A1 20240306 (DE)**

Application

**EP 22725871 A 20220427**

Priority

- DE 102021110910 A 20210428
- EP 2022061208 W 20220427

Abstract (en)

[origin: WO2022229261A1] The invention relates to a method and a manufacturing device (1) for laminating a top material (2) onto a component (B) with a top material (2) section which is bent back about at least one component edge (K) of the component (B). The manufacturing device has the following: a component receiving area (20) for receiving the component (B) on a support face (21) of the component receiving area (20), said component receiving area (20) being provided with a plurality of air passage openings (22) or vacuum openings in order to suction air from a region (23) above the support face (21) to a suction region (24) facing away from the support face (21) through the air passage openings (22) or vacuum openings using a suction device (A); and a thin flexible film (F) for applying onto a surface (S) of a top material (2) applied onto a component, in particular the surface which forms the subsequently visible face of the top material on the component (B), wherein the film (F) is preferably flexible such that the film sealingly lies against the surface of the top material (2) by generating a negative pressure using a suction device (A) in the region (23) and such that the film additionally sealingly lies against the top material (2) at least on a section of the top material (2) on the component (B), said section being bent back about a component edge.

IPC 8 full level

**B29C 63/16** (2006.01); **B29C 43/36** (2006.01); **B29C 51/16** (2006.01); **B29C 63/00** (2006.01); **B32B 37/10** (2006.01); **B29K 311/08** (2006.01)

CPC (source: EP)

**B29C 51/10** (2013.01); **B29C 51/16** (2013.01); **B29C 51/42** (2013.01); **B29C 63/0065** (2013.01); **B29C 63/16** (2013.01); **B29C 2035/0822** (2013.01); **B29C 2043/3644** (2013.01); **B29C 2063/0008** (2013.01); **B29K 2311/08** (2013.01)

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)

**DE 102021110910 A1 20221103**; CN 117203037 A 20231208; EP 4330009 A1 20240306; WO 2022229261 A1 20221103

DOCDB simple family (application)

**DE 102021110910 A 20210428**; CN 202280031134 A 20220427; EP 2022061208 W 20220427; EP 22725871 A 20220427