Title (en)
METHOD FOR PRODUCING A PREFORM

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES PREFORMS

Title (fr)
PROCÉDÉ DE PRODUCTION D'UNE PRÉFORME

Publication
EP 4192665 A1 20230614 (DE)

Application
EP 21752710 A 20210804

Priority
- EP 20382726 A 20200805
- EP 2021071771 W 20210804

Abstract (en)
[origin: WO2022029176A1] The invention relates to a method for producing a preform (11), wherein the preform (11) is inserted, still hot after having been injection molded, into a cooling apparatus (25), which cooling apparatus (25) has an internal space (29), the inner contours of which conform to the outer contours of the preform, and a negative pressure is generated between the inner contours of the internal space (29) and the outer contours of the preform (11). The injection point (23) created on the preform (11) during injection molding is pushed by the negative pressure to a stamp (39) present on the inner contour and pressed to the stamp (39).

IPC 8 full level
B29C 45/00 (2006.01); **B29B 11/14** (2006.01); **B29C 45/72** (2006.01); **B29C 49/06** (2006.01); **B29C 49/64** (2006.01); B29K 105/00 (2006.01)

CPC (source: EP US)
B29B 11/14 (2013.01 - EP US); **B29C 45/0055** (2013.01 - EP); **B29C 45/7207** (2013.01 - EP US); **B29C 49/06** (2013.01 - US); **B29C 49/071** (2022.05 - EP US); **B29C 49/6427** (2013.01 - EP); **B29C 49/6435** (2022.05 - US); B29C 49/06 (2013.01 - EP); B29C 49/42421 (2022.05 - EP); B29C 49/42426 (2022.05 - EP); B29C 49/681 (2022.05 - EP); B29C 2045/7214 (2013.01 - EP US); B29C 2949/0715 (2022.05 - EP US); B29C 2949/0781 (2022.05 - EP); B29K 2105/253 (2013.01 - EP); B29K 2105/258 (2013.01 - EP US); B29L 2031/7158 (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)
EP 3950256 A1 20220209; CN 116137833 A 20230519; EP 4192665 A1 20230614; MX 2023000805 A 20230222; US 2023286203 A1 20230914; WO 2022029176 A1 20220210

DOCDB simple family (application)
EP 20382726 A 20200805; CN 202180057719 A 20210804; EP 2021071771 W 20210804; EP 21752710 A 20210804; MX 2023000805 A 20210804; US 202118040804 A 20210804