

Title (en)  
PREFORM PRODUCED BY KNITTING, COMPOSITE PRODUCT INCORPORATING SUCH A PREFORM AND MANUFACTURING METHODS

Title (de)  
DURCH STRICKEN HERGESTELLTE VORFORM, VERBUNDPRODUKT MIT SOLCH EINER VORFORM UND HERSTELLUNGSVERFAHREN

Title (fr)  
PRÉFORME RÉALISÉE PAR TRICOTAGE, PRODUIT COMPOSITE INCORPORANT UNE TELLE PRÉFORME ET PROCÉDÉS DE FABRICATION

Publication  
**EP 4308356 A1 20240124 (FR)**

Application  
**EP 22713984 A 20220314**

Priority  
• FR 2102590 A 20210316  
• FR 2022050452 W 20220314

Abstract (en)  
[origin: WO2022195208A1] The present invention relates to a pre-consolidated preform produced by knitting, said preform being intended for the manufacture of composite products, this preform being formed of a knit fabric comprising at least one polymeric material and at least one yarn of at least one reinforcing material, said knit fabric comprising a polymeric material P1 constituting less than 20% by volume of said knit fabric or of said pre-consolidated preform and serving as adhesive in said pre-consolidated preform. The present invention also relates to a composite product obtained from such a preform, to a method for manufacturing such a preform, and also to a method for manufacturing a composite product in particular from such a preform.

IPC 8 full level  
**B29B 11/16** (2006.01); **B29C 70/46** (2006.01); **D04B 1/16** (2006.01)

CPC (source: EP US)  
**B29B 11/16** (2013.01 - EP US); **B29C 70/465** (2013.01 - EP); **D04B 1/16** (2013.01 - EP US); **D10B 2401/041** (2013.01 - EP US); **D10B 2403/033** (2013.01 - EP US); **D10B 2505/02** (2013.01 - EP 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)  
**FR 3120812 A1 20220923**; CN 117320862 A 20231229; EP 4308356 A1 20240124; US 2024100739 A1 20240328; WO 2022195208 A1 20220922

DOCDB simple family (application)  
**FR 2102590 A 20210316**; CN 202280021964 A 20220314; EP 22713984 A 20220314; FR 2022050452 W 20220314; US 202218550868 A 20220314