

Title (en)
ADDITIVE MANUFACTURING OF A FLAT TEXTILE PRODUCT

Title (de)
ADDITIVE FERTIGUNG EINES TEXTILEN FLÄCHENPRODUKTS

Title (fr)
FABRICATION ADDITIVE D'UN PRODUIT TEXTILE PLAN

Publication
EP 3959061 A1 20220302 (DE)

Application
EP 20717641 A 20200406

Priority
• CH 5602019 A 20190426
• EP 2020059812 W 20200406

Abstract (en)
[origin: WO2020216606A1] Disclosed is a method for the additive manufacturing of a flat textile product, and a three-dimensionally printed flat textile product (1). The method comprises the following steps: Creating a three-dimensional model of the pre-product and additively manufacturing the pre-product in accordance with the three-dimensional model of the pre-product. A manufacturing material is applied layer by layer in additive manufacturing. A separating layer material is applied, which can be removed from the pre-product and/or rendered inactive, at at least one predefined crossing position of at least two fibrous structures (2a, 2b).

IPC 8 full level
B29C 64/10 (2017.01); **B33Y 80/00** (2015.01); **D04B 1/14** (2006.01); **D06N 7/00** (2006.01)

CPC (source: CH EP US)
B29C 64/10 (2017.07 - EP); **B29C 64/194** (2017.07 - CH US); **B29C 71/00** (2013.01 - CH US); **B33Y 10/00** (2014.12 - CH US); **B33Y 40/10** (2020.01 - CH); **B33Y 40/20** (2020.01 - CH US); **B33Y 80/00** (2014.12 - CH EP US); **D01D 5/00** (2013.01 - EP); **D03D 25/005** (2013.01 - CH US); **D04B 39/00** (2013.01 - CH US); **D04B 39/06** (2013.01 - EP US)

Citation (search report)
See references of WO 2020216606A1

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

DOCDB simple family (publication)
WO 2020216606 A1 20201029; CH 716120 A1 20201030; CN 113748009 A 20211203; EP 3959061 A1 20220302; US 2022203611 A1 20220630

DOCDB simple family (application)
EP 2020059812 W 20200406; CH 5602019 A 20190426; CN 202080030598 A 20200406; EP 20717641 A 20200406;
US 202017605928 A 20200406