

Title (en)
ARTIFICIAL WOOD

Title (de)
KÜNSTLICHES HOLZ

Title (fr)
BOIS ARTIFICIEL

Publication
EP 3921143 A4 20220928 (EN)

Application
EP 19914652 A 20190204

Priority
FI 2019050077 W 20190204

Abstract (en)
[origin: WO2020161379A1] A layered fiber reinforced composite material comprising layers (7,8) of fibers and binding substance or matrix which is arranged to bind the layers together. The layers (7,8) comprise oriented fibers (9) and unoriented fibers which are arranged on top of each other by turns, and at least some of the fibers are hollow, and the density of the composite material is arranged to be adjusted by quality and quantity of the hollow fibers.

IPC 8 full level
B29C 70/14 (2006.01); **B27N 3/04** (2006.01); **B32B 5/12** (2006.01); **B32B 27/04** (2006.01); **C08K 7/02** (2006.01); **G10K 11/162** (2006.01); **G10K 11/168** (2006.01)

CPC (source: EP)
B27N 3/04 (2013.01); **B29C 70/10** (2013.01); **B32B 5/12** (2013.01); **B32B 5/26** (2013.01); **B32B 7/02** (2013.01); **B32B 29/02** (2013.01); **G10D 1/02** (2013.01); **G10D 3/22** (2020.02); **B32B 2250/05** (2013.01); **B32B 2250/20** (2013.01); **B32B 2255/02** (2013.01); **B32B 2260/023** (2013.01); **B32B 2260/046** (2013.01); **B32B 2262/04** (2013.01); **B32B 2262/06** (2013.01); **B32B 2262/062** (2013.01); **B32B 2262/065** (2013.01); **B32B 2307/72** (2013.01); **B32B 2307/75** (2013.01); **B32B 2419/00** (2013.01)

Citation (search report)
• [X] EP 3058126 A1 20160824 - OCV INTELLECTUAL CAPITAL LLC [US]
• [X] WO 2014167167 A1 20141016 - UPM KYMMENE CORP [FI]
• [X] WO 9425275 A1 19941110 - HARTMANN HARRY [DE], et al
• See references of WO 2020161379A1

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

DOCDB simple family (publication)
WO 2020161379 A1 20200813; EP 3921143 A1 20211215; EP 3921143 A4 20220928

DOCDB simple family (application)
FI 2019050077 W 20190204; EP 19914652 A 20190204