

Title (en)

PROCESS FOR CHEMICALLY MODIFYING A WOODEN PART

Title (de)

VERFAHREN ZUR CHEMISCHEN MODIFIZIERUNG EINES HOLZTEILES

Title (fr)

PROCÉDÉ DE MODIFICATION CHIMIQUE D'UNE PIÈCE EN BOIS

Publication

EP 4069484 A1 20221012 (FR)

Application

EP 21709085 A 20210217

Priority

- FR 2001880 A 20200226
- FR 2021050273 W 20210217

Abstract (en)

[origin: WO2021170937A1] The invention relates to a process for chemically modifying a wooden part having hydroxyl groups, comprising: - a first step of a covalent reaction between all or part of said hydroxyl groups and at least one non-polymeric compound comprising at least one group capable of reacting covalently with a hydroxyl group, whereby the wooden part is thus covalently bonded to residues of the at least one non-polymeric compound; - after or simultaneously with said first step, a second step of a covalent reaction between all or part of the residues of the at least one non-polymeric compound and at least one second compound, said first step and said second step being carried out in the presence of at least one supercritical fluid.

IPC 8 full level

B27K 3/02 (2006.01); **B27K 3/08** (2006.01); **B27K 3/34** (2006.01)

CPC (source: EP US)

B27K 3/0278 (2013.01 - EP); **B27K 3/086** (2013.01 - EP US); **B27K 3/346** (2013.01 - EP US); **B27K 2240/30** (2013.01 - EP US); **Y02P 20/54** (2015.11 - EP)

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)

FR 3107465 A1 20210827; **FR 3107465 B1 20221007**; EP 4069484 A1 20221012; US 2023106916 A1 20230406; WO 2021170937 A1 20210902

DOCDB simple family (application)

FR 2001880 A 20200226; EP 21709085 A 20210217; FR 2021050273 W 20210217; US 202117904620 A 20210217