

Title (en)
LIGNOCELLULOSE MATERIALS WITH GOOD MECHANICAL PROPERTIES

Title (de)
LIGNOCELLULOSEWERKSTOFFE MIT GUTEN MECHANISCHEN EIGENSCHAFTEN

Title (fr)
MATÉRIAUX LIGNOCELLULOSIQUES PRÉSENTANT DE BONNES PROPRIÉTÉS MÉCANIQUES

Publication
EP 2496647 A1 20120912 (DE)

Application
EP 10774200 A 20101102

Priority
• US 25861409 P 20091106
• EP 2010066586 W 20101102

Abstract (en)
[origin: WO2011054790A1] A process for producing a lignocellulose-containing substance with a mean density in the range from more than 600 to 900 kg/m³, in which, based in each case on the lignocellulose-containing substance: A) 30 to 95% by weight of lignocellulose particles; B) 1 to 25% by weight of expanded polymer particles with a bulk density in the range from 10 to 100 kg/m³; C) 3 to 50% by weight of a binder selected from the group consisting of amino resin, phenol-formaldehyde resin and organic isocyanate having at least two isocyanate groups, and optionally D) additives are mixed, and then pressed at elevated temperature and under elevated pressure.

IPC 8 full level
C08L 97/02 (2006.01); **B27N 3/00** (2006.01)

CPC (source: EP US)
B27N 3/005 (2013.01 - EP US); **B27N 3/02** (2013.01 - EP US); **C08L 97/02** (2013.01 - EP US); **C08L 25/04** (2013.01 - EP US); **C08L 61/20** (2013.01 - EP US); **C08L 75/04** (2013.01 - EP US); **Y10T 428/31957** (2015.04 - EP US)

Citation (search report)
See references of WO 2011054790A1

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 2011054790 A1 20110512; CA 2779362 A1 20110512; EP 2496647 A1 20120912; US 2012219815 A1 20120830

DOCDB simple family (application)
EP 2010066586 W 20101102; CA 2779362 A 20101102; EP 10774200 A 20101102; US 201013508237 A 20101102