

Title (en)

METHOD AND APPARATUS FOR CONTINUOUSLY MIXING FIBERS WITH A BINDING AGENT

Title (de)

VERFAHREN UND VORRICHTUNG ZUM KONTINUIERLICHEN MISCHEN VON FASERN MIT EINEM BINDEMITELEL

Title (fr)

PROCÉDÉ ET DISPOSITIF DE MÉLANGE CONTINU DE FIBRES AVEC UN LIANT

Publication

EP 2429786 A1 20120321 (DE)

Application

EP 10718599 A 20100511

Priority

- EP 2010056411 W 20100511
- DE 102009021615 A 20090515
- DE 102009057916 A 20091211

Abstract (en)

[origin: WO2010130711A1] The invention relates to a method for continuously mixing fibers with a binding agent for producing fiberboards in a continuously operating mixing apparatus which comprises at least one mixing chamber and one or a plurality of mixing tools fastened to a rotating mixer shaft, wherein the mixing tools mix the fibers with the binding agent and convey it in a conveying direction through the mixer. Said method is characterized in that the rotational speed (n) of the mixer shaft and the diameter (d) of the mixing chamber are matched to each other with the proviso that the (nominal) centrifugal acceleration of the fibers in the region of the mixer inside wall is 10000 to 30000 m/sec².

IPC 8 full level

B27N 1/02 (2006.01); **B01F 7/02** (2006.01)

CPC (source: EP US)

B01F 27/1121 (2022.01 - EP US); **B01F 27/2123** (2022.01 - EP US); **B01F 27/70** (2022.01 - EP US); **B27N 1/0227** (2013.01 - EP US); **B29B 7/44** (2013.01 - EP US); **B29B 7/72** (2013.01 - EP US); **B29B 7/92** (2013.01 - EP US)

Citation (search report)

See references of WO 2010130711A1

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 SE SI SK SM TR

DOCDB simple family (publication)

WO 2010130711 A1 20101118; CA 2764941 A1 20101118; CN 102438796 A 20120502; DE 102009057916 A1 20110224; DE 102009057916 B4 20150402; EP 2429786 A1 20120321; RU 2011151080 A 20130620; RU 2521579 C2 20140627; US 2012123022 A1 20120517

DOCDB simple family (application)

EP 2010056411 W 20100511; CA 2764941 A 20100511; CN 201080021149 A 20100511; DE 102009057916 A 20091211; EP 10718599 A 20100511; RU 2011151080 A 20100511; US 201013319415 A 20100511