

Title (en)

Method of producing a board comprising wood chips

Title (de)

Verfahren zur Herstellung einer Holzspänen umfassenden Platte

Title (fr)

Procédé destiné à la fabrication d'une plaque comportant des copeaux de bois

Publication

EP 2377658 A1 20111019 (EN)

Application

EP 11162486 A 20110414

Priority

FI 20105383 A 20100414

Abstract (en)

Method of producing a board containing wood chips from a wood-based starting material. According to the method, the starting material is disintegrated into wood chips of a preselected size for producing a mass, and then the mass containing wood chips is used for forming a board. According to the invention, the starting material is disintegrated with a continuous flow mixer (1) operating according to the impact mill principle, said mixer having at least two milling rotors, one inside the other (4-7, 10, 11), having milling vanes (10, 11), at least one of the rotor being rotatable and at least a part of the vanes (1) of the outermost milling rotor being disposed in an angular position with regard to the radial direction of the rotor. With the help of a disintegrator of the impact mill type, it is possible to continuously regulate the result of the milling/disintegration.

IPC 8 full level

B27N 1/00 (2006.01); **B02C 13/20** (2006.01)

CPC (source: EP FI)

B02C 13/18 (2013.01 - FI); **B02C 13/205** (2013.01 - EP); **B02C 13/28** (2013.01 - FI); **B27L 11/00** (2013.01 - FI); **B27N 1/00** (2013.01 - EP); **B27N 3/00** (2013.01 - FI); **D21B 1/063** (2013.01 - FI)

Citation (applicant)

WO 9829596 A1 19980709 - MEGATREX OY [FI], et al

Citation (search report)

- [Y] WO 9829596 A1 19980709 - MEGATREX OY [FI], et al
- [Y] US 3411724 A 19681119 - LUIGI NOE
- [A] US 4406409 A 19830927 - DUREK JOACHIM [DE]
- [A] GB 1474550 A 19770525 - PATENT ANST BAUSTOFFE
- [A] SU 1331642 A1 19870823 - VNII DEREVOOBRABATYVAYUSHCHEJ [SU]
- [A] WO 2008122691 A1 20081016 - FRACTIVATOR OY [FI], et al

Cited by

CN103930615A; EP2794986A4; US9739011B2

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)

EP 2377658 A1 20111019; EP 2377658 B1 20130703; FI 20105383 A0 20100414; FI 20105383 A 20111015

DOCDB simple family (application)

EP 11162486 A 20110414; FI 20105383 A 20100414