

Title (en)
MODULAR RECYCLING PLANT

Title (de)
MODULARE RECYCLINGANLAGE

Title (fr)
INSTALLATION MODULAIRE DE RECYCLAGE

Publication
EP 3984646 C0 20230607 (DE)

Application
EP 20202644 A 20201019

Priority
EP 20202644 A 20201019

Abstract (en)
[origin: WO2022084031A1] According to the invention, in order to provide a method which allows for improved provision of wood shavings, a method for producing wood shavings for the manufacture of particle boards, in particular made from recycled wood, comprises: supplying material in at least one first carrier structure; automatically sorting the material to be comminuted a first time in at least one second carrier structure; comminuting the material in at least one third carrier structure; and automatically sorting the comminuted material a second time in at least one fourth carrier structure; wherein the first, second, third and fourth carrier structures are each located so as to be semi-mobile on a foundation and/or on a supporting structure and are interconnected either directly or via material-carrying lines, wherein the supplied material is conveyed from the material supply unit through a first material-carrying line to the first automatic sorting unit and is sorted, and is supplied from the first automatic sorting unit through a second material-carrying line to the material comminution unit and is comminuted in the latter to form wood shavings, and is supplied from there through a third material-carrying line to the second automatic sorting unit in which the wood shavings are automatically sorted, whereupon the wood shavings are provided for the manufacture of particle boards. The invention also relates to a device for carrying out the method.

IPC 8 full level
B02C 21/02 (2006.01); **B07B 1/00** (2006.01); **B27L 11/00** (2006.01); **B27M 1/08** (2006.01)

CPC (source: EP US)
B02C 21/02 (2013.01 - EP); **B07B 1/005** (2013.01 - EP); **B27L 11/00** (2013.01 - EP); **B27L 11/002** (2013.01 - EP US); **B27M 1/08** (2013.01 - 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

Participating member state (EPC – UP)
AT BE BG DE DK EE FI FR IT LT LU LV MT NL PT SE SI

DOCDB simple family (publication)
EP 3984646 A1 20220420; **EP 3984646 B1 20230607**; **EP 3984646 B8 20230712**; **EP 3984646 C0 20230607**; CN 116390816 A 20230704; EP 4204161 A1 20230705; ES 2954903 T3 20231127; PL 3984646 T3 20231030; US 2024017440 A1 20240118; WO 2022084031 A1 20220428

DOCDB simple family (application)
EP 20202644 A 20201019; CN 202180071437 A 20211005; EP 2021077467 W 20211005; EP 21790112 A 20211005; ES 20202644 T 20201019; PL 20202644 T 20201019; US 202118032646 A 20211005