

Title (en)

Chip spiral, method for producing chips and chipping machine

Title (de)

Zerkleinerungsspirale, Verfahren zur Herstellung von Spänen und Zerkleinerungsmaschine

Title (fr)

Spirale de broyage, procédé de production de copeaux et machine de broyage

Publication

EP 1872921 A1 20080102 (EN)

Application

EP 07397022 A 20070628

Priority

FI 20060639 A 20060630

Abstract (en)

A chip spiral, the construction of which is such that it can be reliably and efficiently used for chipping all kinds of wood, wood products, semi-finished products, blanks, waste wood and material comparable to wood. The chip spiral comprises helical blades (18) and a frame structure (18). The blades (18) are attached to the frame structure (20) and the structure is formed so that its central part is open, whereby the chips are discharged from the chip spiral via its hub. The power requirement of the construction is smaller than in prior art while the chip production rate per time unit is larger.

IPC 8 full level

B27L 11/02 (2006.01); **B02C 19/22** (2006.01); **B26D 1/28** (2006.01)

CPC (source: EP FI)

B02C 18/06 (2013.01 - FI); **B02C 19/22** (2013.01 - EP); **B27L 11/005** (2013.01 - FI); **B27L 11/02** (2013.01 - EP)

Citation (search report)

- [X] US 3865319 A 19750211 - HOFFMAN RUDOLF
- [A] WO 2004082909 A1 20040930 - KIRCHMAYR JOHANN [AT]
- [A] US 4053004 A 19771011 - BARWISE ROBERT D, et al

Cited by

DE102011018702A1; DE102015113645A1; CN108704732A; CN109046693A; DE102015113645B4; DE202011005588U1; DE202011004698U1; WO2015023301A1; EP3132902A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1872921 A1 20080102; **EP 1872921 B1 20100127**; AT E456435 T1 20100215; DE 602007004532 D1 20100318; FI 119145 B 20080815; FI 20060639 A0 20060630; FI 20060639 A 20071231

DOCDB simple family (application)

EP 07397022 A 20070628; AT 07397022 T 20070628; DE 602007004532 T 20070628; FI 20060639 A 20060630