

Title (en)

ROTARY CUTTING DEVICE AND METHOD FOR OPERATING A ROTARY CUTTING DEVICE

Title (de)

ROTATIONSSCHNEIDVORRICHTUNG UND VERFAHREN ZUM BETREIBEN EINER ROTATIONSSCHNEIDVORRICHTUNG

Title (fr)

DISPOSITIF DE COUPE ROTATIF ET PROCEDE DE FONCTIONNEMENT D'UN DISPOSITIF DE COUPE ROTATIF

Publication

EP 3797019 B1 20230816 (DE)

Application

EP 19728339 A 20190523

Priority

- DE 102018112310 A 20180523
- EP 2019063319 W 20190523

Abstract (en)

[origin: WO2019224301A1] The invention relates to a rotary cutting device which comprises a machine frame (12), a first roller (30), which is mounted rotatably on the machine frame (12), a second roller (42), which is mounted rotatably on the machine frame (12), wherein either (i) the first roller (30) is a tool roller (34) and the second roller (42) is a counter roller (48), or (ii) the second roller is a tool roller and the first roller is a counter roller, wherein the second roller (42) is mounted on the machine frame (12) so as to be displaceable in a first displacement axis (50), and a cutting pressure unit (52), by means of which a cutting pressure can be exerted between the second roller (42) and the first roller (30). The second roller (42) in a support mode is supported on a wedge unit (62), wherein the wedge unit (62) has at least one displaceable wedge element (68), a displacement position of the at least one displaceable wedge element (68) defining a distance between the second roller (42) and the first roller (30), the at least one displaceable wedge element (68) being associated with a drive unit (86) for a displacement movement of the at least one displaceable wedge element (68) in a second displacement axis (72).

IPC 8 full level

B26D 7/26 (2006.01)

CPC (source: EP US)

B26D 7/265 (2013.01 - EP US)

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 2019224301 A1 20191128; CN 112041135 A 20201204; CN 112041135 B 20220830; DE 102018112310 A1 20191128; EP 3797019 A1 20210331; EP 3797019 B1 20230816; EP 3797019 C0 20230816; ES 2964408 T3 20240405; HU E063365 T2 20240128; PL 3797019 T3 20240219; US 2021078194 A1 20210318

DOCDB simple family (application)

EP 2019063319 W 20190523; CN 201980029210 A 20190523; DE 102018112310 A 20180523; EP 19728339 A 20190523; ES 19728339 T 20190523; HU E19728339 A 20190523; PL 19728339 T 20190523; US 202016949885 A 20201119