

Title (en)
ROTARY TOOL WITH ADJUSTABLE THICKNESS

Title (de)
ROTATIONSWERKZEUG MIT EINSTELLBARER DICKE

Title (fr)
OUTIL ROTATIF A ECARTEMENT REGLABLE

Publication
EP 2974840 B1 20170517 (EN)

Application
EP 15425047 A 20150624

Priority
IT VI20140189 A 20140717

Abstract (en)
[origin: EP2974840A1] A rotary tool with adjustable thickness, which is configured to be used in squaring machines for panels made of composite material, comprising cutters holders (1, 2), connected with a hydraulic-expansion hub (4), which are coaxially arranged and which are rotated together at the same time; in particular, a double rack is placed between said cutters holders (1, 2), said rack having a single shaped profile (5), associated with a first portion (3) of said tool connected to a first cutter holder (1), and two conjugate profiles (6, 61), associated with a second portion (11) of said tool connected to a second cutter holder (2), respective adjustment pins (7) being coupled with said rack and moving along said profiles (5, 6, 61) at discrete steps thanks to the pressure of at least one annular chamber (13) defined by said first portion (3) of the tool and adjacent to said profiles (5, 6, 61), so as to make an adjustment at discrete steps of the distance between said cutters holders (1, 2).

IPC 8 full level
B27G 13/00 (2006.01)

CPC (source: EP)
B27G 13/007 (2013.01)

Cited by
DE102017102858B4; DE102017102858A1; EP3470190A1; DE202017007103U1

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)
EP 2974840 A1 20160120; EP 2974840 B1 20170517; DK 2974840 T3 20170828; ES 2635373 T3 20171003; PL 2974840 T3 20171031; PT 2974840 T 20170808

DOCDB simple family (application)
EP 15425047 A 20150624; DK 15425047 T 20150624; ES 15425047 T 20150624; PL 15425047 T 20150624; PT 15425047 T 20150624