

Title (en)
CUTTING SYSTEM AND METHOD USING THE SAME

Title (de)
SCHNEIDANLAGE UND VERFAHREN ZUR DEREN VERWENDUNG

Title (fr)
INSTALLATION DE DÉCOUPAGE ET PROCÉDÉ UTILISANT LADITE INSTALLATION

Publication
EP 3277471 B1 20230208 (DE)

Application
EP 16714245 A 20160313

Priority
• EP 15161552 A 20150328
• EP 2016055386 W 20160313

Abstract (en)
[origin: WO2016156019A1] The invention relates to a cutting system. The cutting system (1) is designed to extend in the direction of a first system axis (7) which extends horizontally along a width (B) of the cutting system (1), in the direction of a second system axis (8) which extends vertically relative to the first system axis (7), and in the direction of a third system axis (9) which extends along the depth (T) of the cutting system orthogonally to the first system axis (7) and the second system axis (8). The cutting system has a support (2), a tool (3; 4) which is received on the support (2) in the form of a saw with a spindle shaft (13; 14), the operating direction of the tool following the direction of the first system axis (7), and an additional tool (5) which is received on the support (2) in the form of a chop saw with a third spindle shaft (15), the operating direction of the additional tool following the direction of the first system axis (7). The tools (3; 4; 5) are used to machine a blank, and the tools (3; 4; 5) are arranged in series in the direction of the first system axis (7). The cutting system (1) has a support element (10) which is received on the support (2) in a movable manner along the first system axis (7) and the second system axis (8), and the support element (10) is provided for supporting the blank. The support element (10) can be rotated about the second system axis (8), and according to the invention, the spindle shaft (13; 14) is orthogonal to the third spindle shaft (15).

IPC 8 full level
B28D 5/00 (2006.01); **B28D 5/02** (2006.01)

CPC (source: CN EP IL KR RU US)
B28D 5/0082 (2013.01 - IL KR); **B28D 5/024** (2013.01 - CN EP IL KR US); **B28D 5/029** (2013.01 - CN EP IL KR RU US);
B28D 5/0082 (2013.01 - CN 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)
EP 3075509 A1 20161005; CN 107428030 A 20171201; CN 107428030 B 20200915; EP 3277471 A1 20180207; EP 3277471 B1 20230208;
IL 254624 A0 20171130; IL 254624 B 20210228; JP 2018510082 A 20180412; JP 6670848 B2 20200325; KR 20170136537 A 20171211;
RU 2017133813 A 20190506; RU 2017133813 A3 20190725; RU 2701757 C2 20191001; TW 201641243 A 20161201; TW I699266 B 20200721;
US 10507593 B2 20191217; US 2018104852 A1 20180419; WO 2016156019 A1 20161006

DOCDB simple family (application)
EP 15161552 A 20150328; CN 201680018775 A 20160313; EP 16714245 A 20160313; EP 2016055386 W 20160313; IL 25462417 A 20170924;
JP 2017550766 A 20160313; KR 20177029706 A 20160313; RU 2017133813 A 20160313; TW 105108178 A 20160316;
US 201615561308 A 20160313