

Title (en)
POLISHING DEVICE, PROCESSING METHOD OF POLISHING MEMBER, MODIFICATION METHOD OF POLISHING MEMBER, SHAPE PROCESSING CUTTING TOOL, AND SURFACE MODIFICATION TOOL

Title (de)
POLIERVORRICHTUNG, VERARBEITUNGSVERFAHREN FÜR EIN POLIERELEMENT, VERFAHREN ZUR MODIFIKATION DES POLIERELEMENTS, FORMVERARBEITENDES SCHNEIDWERKZEUG UND OBERFLÄCHENMODIFIKATIONSWERKZEUG

Title (fr)
DISPOSITIF DE POLISSAGE, PROCÉDÉ DE TRAITEMENT D'ÉLÉMENT DE POLISSAGE, PROCÉDÉ DE MODIFICATION D'ÉLÉMENT DE POLISSAGE, OUTIL DE COUPE DE TRAITEMENT DE FORME, ET OUTIL DE MODIFICATION DE SURFACE

Publication
EP 3053704 A4 20170719 (EN)

Application
EP 14851154 A 20141002

Priority
• JP 2013209601 A 20131004
• JP 2014076359 W 20141002

Abstract (en)
[origin: EP3053704A1] It is an objective of the present invention to provide a polishing device that allows shape processing and shape modification to be easily performed on a polishing surface having a non-planar shape. The polishing device includes a polishing member (10), a tool (41), and a contact mechanism (40). The polishing member (10) includes a polishing surface that is shaped in conformance with the shape of an end (KE) of a workpiece (K). The tool (41) functions as a shape-processing cutting tool or a surface modifying tool that has the same shape as the shape of the end (KE). The shape-processing cutting tool processes the polishing surface of the polishing member (10) to be shaped in conformance with the shape of the end (KE). The surface modifying tool modifies the polishing surface to be shaped in conformance with the shape of the portion to be polished. The contact mechanism (40) brings the tool (41) into contact with the polishing surface of the polishing member (10).

IPC 8 full level
B24B 53/07 (2006.01); **B24B 9/06** (2006.01); **B24B 19/08** (2006.01); **B24B 53/02** (2012.01)

CPC (source: EP KR US)
B24B 9/065 (2013.01 - EP US); **B24B 19/08** (2013.01 - EP US); **B24B 53/02** (2013.01 - EP KR US); **B24B 53/07** (2013.01 - EP KR US); **B24B 53/12** (2013.01 - KR)

Citation (search report)
• [XI] GB 1082418 A 19670906 - TOOLMASTERS LTD
• See references of WO 2015050185A1

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 3053704 A1 20160810; EP 3053704 A4 20170719; CN 105636743 A 20160601; CN 105636743 B 20210108; JP 2017185623 A 20171012; JP 6474861 B2 20190227; JP WO2015050185 A1 20170309; KR 20160067107 A 20160613; TW 201536479 A 20151001; TW I689378 B 20200401; US 2016236322 A1 20160818; WO 2015050185 A1 20150409

DOCDB simple family (application)
EP 14851154 A 20141002; CN 201480054332 A 20141002; JP 2014076359 W 20141002; JP 2015540533 A 20141002; JP 2017130253 A 20170703; KR 20167008527 A 20141002; TW 103134422 A 20141002; US 201415026096 A 20141002