

Title (en)

DEVICE FOR POLISHING WORKPIECE SURFACES

Title (de)

VORRICHTUNG ZUM POLIEREN VON WERKSTÜCKOBERFLÄCHEN

Title (fr)

DISPOSITIF DE POLISSAGE DE SURFACES DE PIÈCES

Publication

**EP 2694250 B1 20150211 (DE)**

Application

**EP 12715596 A 20120405**

Priority

- DE 202011004912 U 20110406
- EP 2012001534 W 20120405

Abstract (en)

[origin: WO2012136376A1] The subject of the invention is a device for polishing metallic workpiece surfaces comprising a tool holder (4), which can be exchangeably fitted into a rotationally driven working spindle (1) of a program-controlled milling machine, comprising a polishing tool (10), which is fastened in the tool holder (4) and includes a tool shank (11, 12) and a polishing head (16) at the free end thereof, and comprising a polishing agent supply, by way of which viscous polishing agent arrives at the effective surface of the polishing head (16), wherein the tool shank (11, 12) contains a chamber (32), which can admit a pressure medium and is at least partially filled with the polishing agent, wherein this chamber (32) is in connection with the polishing head (16) by way of a channel and wherein the polishing head (16) contains passages (28) for the polishing agent that is forced out of the chamber (32).

IPC 8 full level

**B24D 13/14** (2006.01); **B24B 29/00** (2006.01); **B24B 31/116** (2006.01); **B24B 57/02** (2006.01)

CPC (source: EP US)

**B24B 29/00** (2013.01 - EP US); **B24B 29/04** (2013.01 - EP US); **B24B 31/116** (2013.01 - EP US); **B24B 57/02** (2013.01 - EP US); **B24D 13/147** (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)

**DE 202011004912 U1 20110810**; CN 103648720 A 20140319; EP 2694250 A1 20140212; EP 2694250 B1 20150211; ES 2532222 T3 20150325; JP 2014511771 A 20140519; JP 5913559 B2 20160427; US 2014134932 A1 20140515; US 9623536 B2 20170418; WO 2012136376 A1 20121011

DOCDB simple family (application)

**DE 202011004912 U 20110406**; CN 201280025869 A 20120405; EP 12715596 A 20120405; EP 2012001534 W 20120405; ES 12715596 T 20120405; JP 2014503032 A 20120405; US 201214009967 A 20120405