

Title (en)  
HAND-HELD DEBURRING MACHINE

Title (de)  
HANDGEFÜHRTE ENTGRATUNGSMASCHINE

Title (fr)  
MACHINE D'ÉBAVURAGE DE TYPE PORTE-MAIN

Publication  
**EP 3603884 B1 20240228 (EN)**

Application  
**EP 18776242 A 20180322**

Priority  
• JP 2017064893 A 20170329  
• JP 2018011282 W 20180322

Abstract (en)  
[origin: EP3603884A1] [Technical Problem] Provided is a hand-held deburring machine allowing a worker to perform a deburring operation easily by holding the machine in his or her hand.[Solution to Problem] The hand-held deburring machine (10) has a body (18) including a motor (14) connected to a polishing brush (12) having a plurality of polishing wires (12a) extending rearward from a forward end to drive the polishing brush (12) to rotate about an axis (X) extending in a longitudinal direction, the body (18) being hand-holdable by a worker, a cylindrical forward end member (20) mounted to surround the periphery of a forward end portion of the polishing wires (12a), and a guide member (22) secured to the cylindrical forward end member (20) to extend rearward and supported by the body (18) so as to be displaceable in the longitudinal direction, thereby allowing the cylindrical forward end member (20) to be displaceable rearward along the polishing brush (12). The polishing brush (12) is pushed out forward from the cylindrical forward end member (20) and rotated to perform a deburring operation by the polishing brush (12).

IPC 8 full level  
**B24B 27/033** (2006.01)

CPC (source: EP KR)  
**B24B 23/00** (2013.01 - EP); **B24B 23/02** (2013.01 - KR); **B24B 27/033** (2013.01 - EP); **B24B 29/00** (2013.01 - EP); **B24B 29/005** (2013.01 - EP); **B24B 29/08** (2013.01 - KR); **B24D 13/145** (2013.01 - EP); **B24B 9/00** (2013.01 - EP)

Citation (examination)  
• JP 2003236738 A 20030826 - NIIZAKI YUICHIRO, et al  
• EP 3651923 A2 20200520 - GUEHRING KG [DE], et al

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 3603884 A1 20200205**; **EP 3603884 A4 20201202**; **EP 3603884 B1 20240228**; CN 110475645 A 20191119; CN 110475645 B 20220527; JP 6810248 B2 20210106; JP WO2018180834 A1 20200116; KR 102284904 B1 20210802; KR 20190128680 A 20191118; TW 201840384 A 20181116; TW I708659 B 20201101; WO 2018180834 A1 20181004

DOCDB simple family (application)  
**EP 18776242 A 20180322**; CN 201880022586 A 20180322; JP 2018011282 W 20180322; JP 2019509632 A 20180322; KR 20197029872 A 20180322; TW 107110609 A 20180328