

Title (en)

SURFACE MACHINING APPARATUS COMPRISING A CURVED PORTION

Title (de)

OBERFLÄCHEN-BEARBEITUNGSGERÄT MIT EINER KRÜMMUNGSPARTIE

Title (fr)

APPAREIL DE TRAITEMENT DE SURFACES PRÉSENTANT UNE PARTIE INCURVÉE

Publication

EP 3487665 B1 20240124 (DE)

Application

EP 17751659 A 20170721

Priority

- DE 102016114096 A 20160729
- EP 2017068547 W 20170721

Abstract (en)

[origin: WO2018019736A2] The invention relates to a surface machining apparatus (10), in particular a manual grinder, comprising a machining member (20) that has at least one machining surface (21-23) for grinding or polishing a workpiece surface (O); the machining member (20) includes a planar surface portion (26) with a planar machining surface (21) for machining planar workpiece surfaces (O) and at least one curved portion (27) with a curved machining surface (22-23) for machining curved workpiece surfaces (O). The curved portion (27) on said machining apparatus (10): - extends across a side of the machining member (20) that lies opposite the planar surface portion (26), - has a plurality of curved sections (31-36) which adjoin each other without interruption and each of which has a different radius of curvature (R1-R5), and - does not protrude beyond the planar machining surface (21-23) of the planar surface portion (26).

IPC 8 full level

B24D 15/02 (2006.01); **B24B 55/10** (2006.01)

CPC (source: EP US)

B24B 55/10 (2013.01 - EP US); **B24D 15/02** (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)

WO 2018019736 A2 20180201; **WO 2018019736 A3 20180511**; CN 109715344 A 20190503; CN 109715344 B 20220201; DE 102016114096 A1 20180201; EP 3487665 A2 20190529; EP 3487665 B1 20240124; US 2021276154 A1 20210909

DOCDB simple family (application)

EP 2017068547 W 20170721; CN 201780046838 A 20170721; DE 102016114096 A 20160729; EP 17751659 A 20170721; US 201716321186 A 20170721