

Title (en)  
SURFACE-MACHINING APPLIANCE WITH A SUCTION CONNECTION

Title (de)  
OBERFLÄCHEN-BEARBEITUNGSGERÄT MIT EINEM ABSAUGANSCHLUSS

Title (fr)  
UNITÉ DE TRAITEMENT DE SURFACE MUNIE D'UN RACCORD D'ASPIRATION

Publication  
**EP 3487663 A1 20190529 (DE)**

Application  
**EP 17742744 A 20170721**

Priority  
• DE 102016114099 A 20160729  
• EP 2017068548 W 20170721

Abstract (en)  
[origin: WO2018019737A1] The invention relates to a surface-machining appliance (10), particularly a manual grinding appliance, with a machining body (20) comprising at least one machining surface (21-23) for the grinding or polishing machining of a workpiece surface (O), inflow openings (50-52) for sucking up dust-laden air being arranged on the at least one machining surface (21-23), said openings being connected in a flow-type manner, by means of a channel arrangement (57), to a suction connection (11) to which a suction device (AB) can be connected. The surface-machining appliance comprises an adjustment device (60; 260; 360) for adjusting effective flow cross-sections, by means of which inflow openings (50-52) of a first machining surface part (28) of the at least one machining surface (21-23) and inflow openings (50-52) of at least one second machining surface part (29, 30) of the at least one machining surface (21-23) are connected to the suction connection (11) in a flow-type manner, such that a suction action on the first machining surface part (28) and the at least one second machining surface part (29, 30) can be adjusted and/or switched off.

IPC 8 full level  
**B24B 55/10** (2006.01); **B24D 15/02** (2006.01)

CPC (source: EP US)  
**B24B 23/00** (2013.01 - US); **B24B 55/10** (2013.01 - EP US); **B24D 15/02** (2013.01 - EP US); **B24D 15/04** (2013.01 - US)

Citation (search report)  
See references of WO 2018019737A1

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**WO 2018019737 A1 20180201**; CN 109689297 A 20190426; CN 109689297 B 20210226; DE 102016114099 A1 20180201; EP 3487663 A1 20190529; EP 3487663 B1 20200708; ES 2810354 T3 20210308; US 11511391 B2 20221129; US 2019176293 A1 20190613

DOCDB simple family (application)  
**EP 2017068548 W 20170721**; CN 201780046867 A 20170721; DE 102016114099 A 20160729; EP 17742744 A 20170721; ES 17742744 T 20170721; US 201716321205 A 20170721