

Title (en)

Hand tool machine with air circulation element

Title (de)

Handwerkzeugmaschine mit Luftführungselement

Title (fr)

Machine-outil manuelle dotée d'un élément de conduite d'air

Publication

EP 2465647 A3 20130116 (DE)

Application

EP 11189463 A 20111117

Priority

DE 102010063525 A 20101220

Abstract (en)

[origin: EP2465647A2] The tool (100) has a housing wall (110), and a fan device having air suction unit (114) and air outlet (116). The fan device has an air guide element (130) and discharge chambers (142,143). The surface contours (161,162) of housing wall are extended to downstream side (124) of the air suction unit. An air guide element (131) is shaped such that the cross-sectional area (Q) of discharge chamber set transverse to the downstream direction (127) of air suction unit, increases with the increasing distance from the downstream side in downstream direction.

IPC 8 full level

B25F 5/00 (2006.01)

CPC (source: EP US)

B25F 5/008 (2013.01 - EP US)

Citation (search report)

- [XY] DE 102006038756 A1 20080221 - MARQUARDT GMBH [DE]
- [XY] EP 1911547 A2 20080416 - BLACK & DECKER INC [US]
- [Y] EP 2191940 A1 20100602 - AEG ELECTRIC TOOLS GMBH [DE]
- [Y] WO 9111297 A1 19910808 - BOSCH GMBH ROBERT [DE]
- [Y] DE 102009001501 A1 20100916 - BOSCH GMBH ROBERT [DE]
- [A] DE 102005062697 A1 20070712 - BOSCH GMBH ROBERT [DE]

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)

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DOCDB simple family (application)

EP 11189463 A 20111117; US 201113329489 A 20111219