

Title (en)
PNEUMATIC TOOL

Title (de)
PNEUMATISCHES WERKZEUG

Title (fr)
OUTIL PNEUMATIQUE

Publication
EP 3213867 A1 20170906 (EN)

Application
EP 16158166 A 20160302

Priority
EP 16158166 A 20160302

Abstract (en)
A pneumatic tool comprises a housing (1), a cylinder (2) and a pneumatic assembly (3). The housing (1) includes a compartment (11), an air entrance channel (12) interconnecting with the compartment (11), and an air exit channel (13) interconnecting with the compartment (11). The air exit channel (13) has an air incoming end (131) and an air outgoing end (132). The air exit channel (13) includes a flow-guiding incline (133) disposed on one side of the compartment (11), which faces the cylinder (2), and connected with the entire rim or a part of the rim of the air exit channel (13). The cross section of the air incoming end (131) is larger than the cross section of the air outgoing end (132). The air incoming end (131) guides the high-speed and high-pressure air to the air exit channel (13) to increase the flow rate at which the high-speed and high-pressure air flows out of the air exit channel (13). Thereby is solved the operational abnormalities caused by the phenomenon that the conventional pneumatic polishing-grinding machine cannot fully exhaust high-speed and high-pressure air.

IPC 8 full level
B24B 23/02 (2006.01); **B23B 45/04** (2006.01)

CPC (source: EP)
B24B 23/026 (2013.01); **B24B 23/028** (2013.01); **B24B 47/14** (2013.01); **B25F 5/02** (2013.01)

Citation (applicant)
TW M295556 U 20060811 - MOUNTAIN PNEUMATIC TOOLS CO LT [TW]

Citation (search report)
• [XA] US 2012289136 A1 20121115 - HUTCHINS DONALD H [US], et al
• [X] US 6007412 A 19991228 - HUTCHINS DONALD [US]

Cited by
CN109397038A; US11192259B2; US11548163B2

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)
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