

Title (en)
PORTABLE POWER TOOL HAVING A TURBINE UNIT

Title (de)
HANDWERKZEUGMASCHINE MIT EINER TURBINENEINHEIT

Title (fr)
OUTIL MOTORISE MANUEL DOTE D'UNE UNITE DE TURBINE

Publication
EP 1973706 A1 20081001 (DE)

Application
EP 06819549 A 20061116

Priority
• EP 2006068573 W 20061116
• DE 102005062887 A 20051229

Abstract (en)
[origin: DE102005062887A1] The tool has a turbine unit (10a) for driving the tool by a suction air flow (12a), and a transmission unit (14a) for coupling the turbine unit with an output unit (16a). The turbine unit has a pelton-turbine (24a), and the transmission unit has an angular gear (20a), where the transmission unit converts a rotary motion into oscillating movement. The transmission unit is designed as a single unit with a tool retaining unit. A channel (26a) flows to the front side of the tool that is turned away from a tool retaining area, and is formed as a single piece with a supply channel of the turbine unit.

IPC 8 full level
B25F 5/00 (2006.01); **B24B 23/04** (2006.01)

CPC (source: EP US)
B24B 23/04 (2013.01 - EP US); **B25F 5/00** (2013.01 - EP US); **Y10T 74/18056** (2015.01 - EP US); **Y10T 74/18544** (2015.01 - EP US); **Y10T 74/19088** (2015.01 - EP US)

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See references of WO 2007080020A1

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