

Title (en)

HIGH TORQUE DUAL CHAMBER TURBINE ROTOR FOR HAND HELD OR SPINDLE MOUNTED PNEUMATIC TOOL

Title (de)

EIN HOHES DREHMOMENT ERZEUGENDER DOPPELKAMMERTURBINENROTOR FÜR HAND- ODER SPINDELMONTIERTES DRUCKLUFTWERKZEUG

Title (fr)

ROTOR DE TURBINE A CHAMBRE DOUBLE A COUPLE ELEVE POUR OUTIL PNEUMATIQUE PORTABLE OU MONTE SUR ARBRE

Publication

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Application

EP 04813567 A 20041208

Priority

US 2004041257 W 20041208

Abstract (en)

[origin: WO2006062522A1] A high torque turbine rotor for a lightweight hand held tool for grinding and polishing having a rotor that includes two separate high pressure air chambers separated by a common housing wall, each air chamber having peripheral air expelling nozzles in a tangential direction to the rotor periphery. The rotor housing is lightweight and increases torque without generally increasing the overall size and weight of the tool housing.

IPC 8 full level

F01D 15/06 (2006.01); **F01D 1/32** (2006.01)

CPC (source: EP KR)

B24B 23/026 (2013.01 - EP); **F01B 25/06** (2013.01 - KR); **F01D 1/18** (2013.01 - EP KR); **F01D 1/32** (2013.01 - EP); **F01D 15/067** (2013.01 - EP); **F01D 25/00** (2013.01 - KR); **F03B 13/00** (2013.01 - KR)

Citation (search report)

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Designated contracting state (EPC)

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