

Title (en)
PORTABLE ELECTRIC POWER TOOL

Title (de)
HANDGEFÜHRTES ELEKTROWERKZEUG

Title (fr)
OUTIL ELECTRIQUE MANUEL

Publication
EP 1968772 A1 20080917 (DE)

Application
EP 06830042 A 20061120

Priority
• EP 2006068639 W 20061120
• DE 102005062697 A 20051228

Abstract (en)
[origin: WO2007077050A1] A portable electric power tool comprising a housing (2) and an electric drive motor (22), the drive shaft (14) of which is coupled to a rotating cutting tool via a transmission member (24), has a fan impeller (13) which is driven by the drive shaft and draws in cooling air via first inflow openings (6) in the housing, which cooling air is to be directed via the drive motor and is to be drawn off from the housing via outflow openings (19). Additional inflow openings (12) for cooling air are arranged in the housing on the side adjacent to the transmission member, wherein the region (16) within the housing in which the transmission member is arranged is connected via a connecting passage (15) to the flow path between the first inflow openings and the fan impeller.

IPC 8 full level
B25F 5/00 (2006.01); **B27C 1/10** (2006.01)

CPC (source: EP)
B25F 5/008 (2013.01); **B27C 1/10** (2013.01)

Citation (search report)
See references of WO 2007077050A1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
DE 102005062697 A1 20070712; CN 101351309 A 20090121; CN 101351309 B 20120523; DE 502006008927 D1 20110331;
EP 1968772 A1 20080917; EP 1968772 B1 20110216; WO 2007077050 A1 20070712

DOCDB simple family (application)
DE 102005062697 A 20051228; CN 200680049736 A 20061120; DE 502006008927 T 20061120; EP 06830042 A 20061120;
EP 2006068639 W 20061120