

Title (en)
POWER HAND TOOL WITH A COMPRESSED-AIR MOTOR

Publication
EP 0141175 B1 19870506 (DE)

Application
EP 84110726 A 19840908

Priority
DE 3335005 A 19830928

Abstract (en)
[origin: US4635732A] In a power-driven, hand-held tool provided with a pneumatic motor, the stator of the motor is comprised of a central tube of steel and two end flanges of plastics applied onto the central tube by injection molding. The impeller rotor of the motor is supported within the stator and assembled with the stator to form a complete motor assembly which is supported within the cylindrical housing of the tool by means of elastic rings which protect the tool against oscillations. The motor assembly can be assembled and tested outside the tool housing.

IPC 1-7
B25B 21/00; **B24B 23/02**; **F01C 13/02**

IPC 8 full level
B25B 21/00 (2006.01); **B24B 23/02** (2006.01); **B25F 5/00** (2006.01); **F01C 1/344** (2006.01); **F01C 13/02** (2006.01); **F01C 21/10** (2006.01)

CPC (source: EP US)
B25F 5/001 (2013.01 - EP US); **F01C 13/02** (2013.01 - EP US); **F01C 21/10** (2013.01 - EP US)

Cited by
CN104162878A; EP0427510A1; DE10136168C1; EP0659977A1

Designated contracting state (EPC)
DE GB IT SE

DOCDB simple family (publication)
EP 0141175 A1 19850515; **EP 0141175 B1 19870506**; DE 3335005 A1 19850418; DE 3463468 D1 19870611; JP H0516987 B2 19930305; JP S6094272 A 19850527; US 4635732 A 19870113

DOCDB simple family (application)
EP 84110726 A 19840908; DE 3335005 A 19830928; DE 3463468 T 19840908; JP 20072384 A 19840927; US 62774184 A 19840705