

Title (en)
Electric motor driven air pump

Title (de)
Elektrische Luftpumpe

Title (fr)
Pompe à air entraînée par un moteur électrique

Publication
EP 0907027 B1 20030102 (DE)

Application
EP 98109259 A 19980522

Priority
DE 19740582 A 19970916

Abstract (en)
[origin: DE19740582A1] The electric air pump (8) has an electronically commutated electric motor (13) contained within a common housing (14) with the air pump, having a first chamber (15) containing the stator laminations packet (16), hermetically sealed by a plug cover (18) for the stator terminals (17) and a second chamber (19) containing a bearing pin (20) for a bell-shaped rotor (21), fitting around the outside of the first chamber, with a number of peripheral pump feed elements (24) at its opposite side.

IPC 1-7
F04D 23/00; F04D 25/06; F04D 29/02; F04D 29/62; F04D 29/66

IPC 8 full level
F04D 23/00 (2006.01); **F04D 25/06** (2006.01); **F04D 29/02** (2006.01); **F04D 29/62** (2006.01); **F04D 29/66** (2006.01)

CPC (source: EP US)
F02M 25/0836 (2013.01 - EP US); **F02M 25/089** (2013.01 - EP US); **F04D 23/008** (2013.01 - EP US); **F04D 25/0613** (2013.01 - EP US); **F04D 29/023** (2013.01 - EP US); **F04D 29/624** (2013.01 - EP US); **F04D 29/661** (2013.01 - EP US); **F05D 2230/64** (2013.01 - EP US); **F05D 2300/43** (2013.01 - EP US)

Cited by
CN110500300A; WO2021191862A1

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
DE 19740582 A1 19990318; DE 59806801 D1 20030206; EP 0907027 A1 19990407; EP 0907027 B1 20030102; ES 2186047 T3 20030501; US 6036456 A 20000314

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