

Title (en)
Electrically driven air pump

Title (de)
Elektrisch angetriebene Luftpumpe

Title (fr)
Pompe à air entraîné électriquement

Publication
EP 0607515 B1 19960124 (DE)

Application
EP 93118353 A 19931112

Priority
DE 4301666 A 19930122

Abstract (en)
[origin: EP0607515A1] In such pumps there is the problem that, in spite of elastic motor bearings, a low-frequency motor rumble (running noise) is present. In contrast, the novel pump has the features that the electric motor (4) is supported by means of elastic motor bearings (12, 14), and that an intake port (15) is disposed between electric motor (4) and pump mechanism (2) at the elastic motor bearing (12, 14) located there, which intake port projects in an inlet collar (16) of a pump impeller (17) and provides air from an electric motor chamber (3). The novel pump provides for low-noise operation. <IMAGE>

IPC 1-7
F04D 25/08; **F04D 29/66**

IPC 8 full level
F04D 25/08 (2006.01); **F04D 29/66** (2006.01)

CPC (source: EP US)
F04D 25/082 (2013.01 - EP US); **F04D 29/5806** (2013.01 - EP); **F04D 29/668** (2013.01 - EP US)

Cited by
EP0711921A1; US5639228A; EP0722066A1; FR2729213A1; EP0711924A1; US5711652A; CN107035703A

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