

Title (en)

PISTON COMPRESSOR FOR GASEOUS MEDIA

Title (de)

KOLBENVERDICHTER FÜR GASFÖRMIGE MEDIEN

Title (fr)

COMPRESSEUR A PISTON POUR MILIEUX GAZEUX

Publication

**EP 0725899 B1 19980225 (DE)**

Application

**EP 95929102 A 19950811**

Priority

- DE 4429098 A 19940817
- EP 9503194 W 19950811

Abstract (en)

[origin: WO9605431A1] A unit made of an electric motor in a housing with a crankcase (14) and a cylinder head (16) supplies a delivery pipe (28) with a medium, preferably compressed air, required for a motor vehicle. Part of the compressed medium is used for inner cooling. For that purpose, a partial flow is generated in the crankcase (14) during the suction or return stroke of the working piston, independently of the working medium, by a specially designed disk flywheel (34), and flows through channels (74, 76, 80, 82) arranged in the lower part of the unit to the areas where inner cooling is required.

IPC 1-7

**F04B 39/06**; **F04B 39/12**

IPC 8 full level

**F04B 39/06** (2006.01); **F04B 39/12** (2006.01)

CPC (source: EP)

**F04B 39/06** (2013.01); **F04B 39/128** (2013.01)

Designated contracting state (EPC)

AT DE ES FR GB IT NL

DOCDB simple family (publication)

**WO 9605431 A1 19960222**; AT E163462 T1 19980315; DE 4429098 A1 19960222; DE 59501497 D1 19980402; EP 0725899 A1 19960814; EP 0725899 B1 19980225; ES 2112653 T3 19980401

DOCDB simple family (application)

**EP 9503194 W 19950811**; AT 95929102 T 19950811; DE 4429098 A 19940817; DE 59501497 T 19950811; EP 95929102 A 19950811; ES 95929102 T 19950811