

Title (en)  
Improvements in air compressors.

Title (de)  
Luftverdichter.

Title (fr)  
Compresseurs d'air.

Publication  
**EP 0333667 A2 19890920 (EN)**

Application  
**EP 89830054 A 19890214**

Priority  
IT 6712288 A 19880217

Abstract (en)  
The improvements concern essentially: - the presence of a valve-plate (9) through which ventilation channels (16) pass, - the use of a cooling fan (17) which is driven by the shaft (5) of the compressor and can induce a forced flow of air through the channels (16), - the provision of a lubricating-oil filler duct (36) separate from the oil-vapour discharge duct (32 to 35) which passes through one of the bearings (32) of the shaft, - the use of a generally tank-shaped lower portion of the casing (25), - the use of pistons (3) with sealing rings (48) mounted on a head portion (42) which can easily be separated from the rest of the piston (40) so that the rings (48) can be replaced without the need completely to dismantle the piston (3) and the members (4, 5) associated therewith, and - the provision of annular cavities (39) in the walls of the cylinders (3) which act as sumps for the collection and recovery of the lubricating oil.

IPC 1-7  
**F04B 39/06; F04B 39/10**

IPC 8 full level  
**F04B 39/06** (2006.01); **F04B 39/10** (2006.01)

CPC (source: EP)  
**F04B 39/066** (2013.01); **F04B 39/1066** (2013.01)

Cited by  
CN104653438A; AT402089B; ITTO20100990A1; WO2012080955A1; KR101390184B1

Designated contracting state (EPC)  
AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0333667 A2 19890920; EP 0333667 A3 19891213**; IT 1219027 B 19900424; IT 8867122 A0 19880217

DOCDB simple family (application)  
**EP 89830054 A 19890214**; IT 6712288 A 19880217