

Title (en)

Booster-type gas compressor

Title (de)

Boosterähnlicher Gaskompressor

Title (fr)

Compresseur à gaz de type survolteur

Publication

EP 1806503 B1 20090311 (EN)

Application

EP 07000101 A 20070104

Priority

JP 2006002211 A 20060110

Abstract (en)

[origin: EP1806503A1] In a booster-type gas compressor, an electric motor in a motor case drives a crank shaft integrally connected to a driving shaft. The crank shaft is coupled to a piston rod extending perpendicular to the crank shaft and having a piston at the upper end. Rotation of the crank shaft allows the piston up and down. A compressed gas from a compressed-gas flow path is fed to a compressing chamber above the piston and further compressed by the piston. A bypath conduit connects the compressed-gas flow path to the motor case to keep pressure in the crank case to more than atmospheric pressure.

IPC 8 full level

F04B 39/04 (2006.01); **F04B 39/12** (2006.01)

CPC (source: EP KR US)

F04B 35/04 (2013.01 - EP KR US); **F04B 39/121** (2013.01 - EP KR US); **F04B 39/123** (2013.01 - EP KR US); **F04B 39/128** (2013.01 - KR); **F04B 49/022** (2013.01 - KR); **F04B 2205/18** (2013.01 - KR); **F05B 2210/12** (2013.01 - KR); **Y10S 417/00** (2013.01 - KR)

Cited by

CN111852816A

Designated contracting state (EPC)

BE

DOCDB simple family (publication)

EP 1806503 A1 20070711; **EP 1806503 B1 20090311**; CN 101000048 A 20070718; JP 2007182821 A 20070719; KR 100815538 B1 20080320; KR 20070075298 A 20070718; US 2007160483 A1 20070712

DOCDB simple family (application)

EP 07000101 A 20070104; CN 200610172251 A 20061230; JP 2006002211 A 20060110; KR 20070002096 A 20070108; US 62173207 A 20070110