

Title (en)
Compressor balancing system

Title (de)
Ausgleichsystem für verdichter

Title (fr)
Système d'équilibrage d'un compresseur

Publication
EP 1342920 A2 20030910 (EN)

Application
EP 03005001 A 20030305

Priority
JP 2002060501 A 20020306

Abstract (en)
A compressor includes a drive shaft, a conversion mechanism, a rotation body and a mass body. The conversion mechanism converts rotational motion of the drive shaft into compression motion of a compression member in a compression mechanism. The rotation body is provided with the drive shaft so as to integrally rotate with the drive shaft. The drive shaft and the rotation body have a rotational central axis. The mass body is provided with the rotation body. The mass body performs pendulum motion whose center is an axis that is remote from the rotational central axis by a predetermined distance and that is substantially parallel with the rotational central axis. The compressor is characterized in that the mass body is provided to cancel offset load of the conversion mechanism around the rotational central axis of the drive shaft. <IMAGE>

IPC 1-7
F04B 27/10; F04B 27/08; F04B 39/00

IPC 8 full level
F04B 35/00 (2006.01); **F04B 27/08** (2006.01); **F04B 27/10** (2006.01); **F04B 35/01** (2006.01); **F04B 39/00** (2006.01); **F16F 15/173** (2006.01)

CPC (source: EP)
F04B 27/0895 (2013.01); **F04B 27/1036** (2013.01); **F04B 39/0027** (2013.01)

Cited by
CN109209817A; US8337169B2; WO2008009446A1

Designated contracting state (EPC)
DE FR IT

DOCDB simple family (publication)
EP 1342920 A2 20030910; **EP 1342920 A3 20031210**; JP 2003254233 A 20030910

DOCDB simple family (application)
EP 03005001 A 20030305; JP 2002060501 A 20020306