

Title (en)  
Compressor

Title (de)  
Verdichter

Title (fr)  
Compresseur

Publication  
**EP 1939449 A2 20080702 (EN)**

Application  
**EP 07119094 A 20071023**

Priority  
JP 2006356803 A 20061229

Abstract (en)  
This compressor includes housing members that form a body; a drive shaft linked to a drive power source via an electromagnetic clutch; movable members moving in cooperation with the drive shaft and carrying out the compression of a fluid; a detected body moving in cooperation with the drive shaft; a drain bolt screwed into a drain bolt hole provided in a housing member in proximity to the detected body; and a detecting device detecting the rotation state of the drive shaft by the detected body. The drain bolt is provided with a permanent magnet, the detecting device is structured by a magnetic sensor that includes a magnetic impedance element, and the magnetic sensor is provided at the head portion of the drain bolt. Thereby, it is possible to provide a rotation detecting mechanism by using an existing drain bolt, without requiring the machining of a hole in the compressor body.

IPC 8 full level  
**F04B 27/10** (2006.01); **F04B 49/06** (2006.01); **F04B 49/10** (2006.01)

CPC (source: EP US)  
**F04B 27/10** (2013.01 - EP US); **F04B 27/1036** (2013.01 - EP US); **F04B 27/1054** (2013.01 - EP US); **F04B 27/1081** (2013.01 - EP US); **F04B 49/06** (2013.01 - EP US); **F04B 49/103** (2013.01 - EP US); **F04B 2201/1206** (2013.01 - EP US)

Citation (applicant)  
• GB 2194821 A 19880316 - SANDEN CORP  
• US 4355959 A 19821026 - KONO HIROYA, et al

Cited by  
EP3358185A1; CN108386345A; EP2372153A1; EP2372154A3; EP2372155A3; US10550832B2

Designated contracting state (EPC)  
DE FR GB

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**EP 1939449 A2 20080702**; **EP 1939449 A3 20110406**; JP 2008163914 A 20080717; JP 4803027 B2 20111026; US 2008159878 A1 20080703

DOCDB simple family (application)  
**EP 07119094 A 20071023**; JP 2006356803 A 20061229; US 95168607 A 20071206