

Title (en)
Compressor

Title (de)
Verdichter

Title (fr)
Compresseur

Publication
EP 1939449 A3 20110406 (EN)

Application
EP 07119094 A 20071023

Priority
JP 2006356803 A 20061229

Abstract (en)
[origin: EP1939449A2] 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 (search report)

- [X] GB 2194821 A 19880316 - SANDEN CORP
- [X] US 4355959 A 19821026 - KONO HIROYA, et al
- [A] EP 0744548 A2 19961127 - TOYODA AUTOMATIC LOOM WORKS [JP]

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

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

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