

Title (en)
CENTRIFUGAL COMPRESSOR

Title (de)
RADIALVERDICHTER

Title (fr)
COMPRESSEUR CENTRIFUGE

Publication
EP 2626573 B1 20200226 (EN)

Application
EP 12185119 A 20120920

Priority
KR 20120013287 A 20120209

Abstract (en)
[origin: EP2626573A1] The present invention relates to a centrifugal compressor including a case (110), an impeller (120) for accelerating refrigerant introduced to an inside of the case, a variable diffuser (130) on a flow passage of the refrigerant for regulating opening of the flow passage, a rotating member mounted to move the variable diffuser up/down and to rotate the variable diffuser, and a drive motor (150) for providing rotating power to the rotating member. The variable diffuser is screw coupled to an inside of the case to regulate the opening of the flow passage as the variable diffuser moves up/down by rotation, thereby permitting precise regulation of opening of the flow passage.

IPC 8 full level
F04D 29/46 (2006.01)

CPC (source: EP KR)
F04D 29/24 (2013.01 - KR); **F04D 29/44** (2013.01 - KR); **F04D 29/464** (2013.01 - EP); **F05D 2250/52** (2013.01 - EP)

Cited by
CN111436205A; EP3073124A4; EP3040562A4; JP2016528441A; CN110043507A; US11708841B2; US11323003B2; US10883379B2; WO2019084572A1; WO2021055879A1; US10753370B2; US10302097B2; US10753369B2

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