

Title (en)

Burst protection device for radial compressor

Title (de)

Berstschutzvorrichtung für Radialverdichter

Title (fr)

Dispositif de protection contre l'éclatement d'un compresseur radial

Publication

EP 2216517 B1 20120711 (DE)

Application

EP 10150616 A 20100113

Priority

- EP 09152067 A 20090204
- EP 10150616 A 20100113

Abstract (en)

[origin: EP2216516A1] The compressor has a casing insert (10) arranged radially outside the compressor impeller (1). The casing insert has a wall contour (11) which delimits the flow channel such that casing insert abuts the axial stop of the outer compressor casing. A flexible structure (12) transfers axial forces from the insert wall contour to the outer compressor casing and has two ribs (14) that are axially oriented and arranged in an offset manner in relation to each other. A support ring (13) interconnects the ribs of the flexible ring while oriented at an angle to the axial direction between the ribs.

IPC 8 full level

F01D 21/04 (2006.01); **F01D 25/24** (2006.01)

CPC (source: EP KR US)

A63H 5/00 (2013.01 - KR); **A63H 29/14** (2013.01 - KR); **A63H 37/00** (2013.01 - KR); **F01D 21/045** (2013.01 - EP US); **F04D 27/0292** (2013.01 - EP US); **F04D 29/4206** (2013.01 - EP US); **F42B 4/04** (2013.01 - KR); **F05B 2220/40** (2013.01 - EP US); **F05D 2220/40** (2013.01 - EP US)

Cited by

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DOCDB simple family (publication)

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