

Title (en)
DIFFUSER OF A RADIAL-FLOW COMPRESSOR

Title (de)
DIFFUSOR EINES RADIALVERDICHTERS

Title (fr)
DIFFUSEUR DE COMPRESSEUR CENTRIFUGE

Publication
EP 3417176 A1 20181226 (DE)

Application
EP 17705636 A 20170217

Priority
• DE 102016102924 A 20160219
• EP 2017053629 W 20170217

Abstract (en)
[origin: WO2017140852A1] The duct cross-section in the diffuser of a radial-flow compressor is significantly larger in the inlet region of the diffuser section. This increases the space available to the flow upstream of the actual diffuser duct, resulting in a rapid deceleration and thus a rapid increase in pressure. The flow velocity is thus reduced in the downstream components of the compressor and flow losses are reduced accordingly.

IPC 8 full level
F04D 29/44 (2006.01)

CPC (source: EP KR)
F04D 29/44 (2013.01 - EP KR); **F05D 2220/40** (2013.01 - EP KR); **F05D 2250/324** (2013.01 - EP KR); **F05D 2250/52** (2013.01 - EP)

Citation (search report)
See references of WO 2017140852A1

Designated contracting state (EPC)
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Designated extension state (EPC)
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DOCDB simple family (publication)
WO 2017140852 A1 20170824; CN 109072939 A 20181221; DE 102016102924 A1 20170824; EP 3417176 A1 20181226;
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