

Title (en)
DIFFUSER FOR A RADIAL COMPRESSOR

Title (de)
DIFFUSOR FÜR EINEN RADIALVERDICHTER

Title (fr)
DIFFUSEUR POUR COMPRESSEUR RADIAL

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Application
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Abstract (en)
[origin: WO2019034740A1] The invention relates to a diffuser for a radial compressor, comprising a flow channel defined by a first side wall and a second side wall, a diffuser vane ring with a plurality of diffuser vanes that are at least partially arranged in the flow channel, each of the diffuser vanes having a pressure side and a suction side, a plurality of diffuser passages, said diffuser passages being formed between every two adjacent diffuser vanes of the plurality of diffuser vanes, and circulation openings, each circulation opening connecting the flow channel to a diffuser cavity, at least two circulation openings being associated with one diffuser passage, and a circulation opening associated with a diffuser passage being fluidically connected to another circulation opening associated with the same diffuser passage or to a circulation opening associated with another diffuser passage, via the diffuser cavity.

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