

Title (en)

RADIAL COMPRESSOR AND METHOD FOR PRODUCING A RADIAL COMPRESSOR

Title (de)

RADIALKOMPRESSOR UND VERFAHREN ZUM HERSTELLEN EINES RADIALKOMPRESSORS

Title (fr)

COMPRESSEUR RADIAL ET PROCÉDÉ DE PRODUCTION

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2011012127A1] Radial compressor and method for producing a radial compressor, wherein the radial compressor (1) has a compressor housing (10), a compressor shaft (20) which is mounted rotatably in the compressor housing, at least one compressor rotor (14) which is arranged in the compressor housing on the compressor shaft and an inlet insert (12) of defined extent in a radial direction (RR) and an axial direction (AR) of the radial compressor, which inlet insert (12) is assigned to a first rotor stage of the radial compressor in a fluid path in the compressor housing. The inlet insert defines a fluid inlet passage (13), which is arranged in front of a first compressor rotor in the fluid path and leads towards it, and is formed by material with a defined material structure, wherein the fluid inlet passage is formed as a subsequently made three-dimensional interruption in a material cohesion of the material structure.

IPC 8 full level

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