

Title (en)

ROTOR ASSEMBLY FOR ROTARY COMPRESSOR

Title (de)

ROTORANORDNUNG FÜR EINEN ROTATIONSVERDICHTER

Title (fr)

ENSEMBLE ROTOR POUR COMPRESSEUR ROTATIF

Publication

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Application

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Abstract (en)

[origin: WO2013131004A1] Implementations of the present invention comprise a rotor assembly for use in a rotary compressor. The rotor assembly includes a shaft, a pair of end plates, an input shaft, and a rotor. The rotor can be positioned between the pair of endplates. At least two of these components can be machined or formed as an integral unit, to increase the geometrical precision and integrity of the rotor assembly. For example, the rotor and input shaft can be formed integrally; alternatively, one of the endplates and the input shaft can be formed integrally. A pair of liners can be provided and positioned between the endplates and the rotor to increase sliding and/or sealing performance against other components of the rotary compressor, such as a gate positioned in a bore of the rotor.

IPC 8 full level

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