Title (en)

ROTOR ASSEMBLY FOR ROTARY COMPRESSOR

Title (de)

ROTORANORDNUNG FÜR EINEN ROTATIONSVERDICHTER

Title (fr)

ENSEMBLE ROTOR POUR COMPRESSEUR ROTATIF

Publication

EP 2820308 A4 20160323 (EN)

Application

EP 13754234 A 20130301

Priority

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- US 2013028671 W 20130301

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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Citation (search report)

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- [I] FR 1091878 A 19550415 - MATERIEL ET D INSTALLATIONS AE
- [XY] US 2009081063 A1 20090326 - KEMP GREGORY T [US]
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Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

US 2013028671 W 20130301; CN 201380020772 A 20130301; EP 13754234 A 20130301; IN 7965DEN2014 A 20140924; US 201314382083 A 20130301