

Title (en)

ROTARY REGENERATIVE HEAT EXCHANGER AND A METHOD FOR OPERATING SUCH HEAT EXCHANGER

Title (de)

UMLAUFENDER REGENERATIVER WÄRMETAUSCHER UND VERFAHREN ZUM BETREIBEN EINES UMLAUFENDES REGENERATIVES WÄRMETAUSCHERS

Title (fr)

ECHANGEUR DE CHALEUR ROTATIF A REGENERATION ET SON MODE D'UTILISATION

Publication

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Application

EP 96904422 A 19960221

Priority

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- SE 9500681 A 19950224

Abstract (en)

[origin: WO9626407A1] In a rotary regenerative heat exchanger of the kind having a rotor mounted in a casing, supports are provided for maintaining a certain clearance (S) between the rotor and movable sector plates (6) connected to the casing and located close to the rotor ends. Each support co-operates through a front surface (12) on gas cushion means (17) with an end surface (11) on a flange (9) on the rotor. Each support is provided with gas conduit means ending in the gas outlet means (16) in the front surface (12) and being connected to a gas source (22) of a pressure sufficient to establish a gap between the front surface (12) and the end surface (11) so that a cushion of gas is established between the surfaces as the gas escapes from the gas outlet means through the gap. According to the invention, a sector plate (6) is provided with only one single gas cushion support with a front surface (12) of elongated shape, having its longer extension directed circumferentially along said end surface (11).

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Cited by

US6261092B1; US7325562B2; US7150446B1; US6669472B1; US6783111B2; US6899121B2; US6749815B2

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