

Title (en)

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

Title (de)

REGENERATIVER WÄRMETAUSCHER UND VERFAHREN ZUM BETREIBEN EINES REGENERATIVEN WÄRMETAUSCHERS

Title (fr)

ECHANGEUR THERMIQUE A REGENERATION ET PROCEDE D'EXPLOITATION D'UN ECHANGEUR THERMIQUE A REGENERATION

Publication

EP 0807237 B1 20010110 (EN)

Application

EP 96903291 A 19960209

Priority

- SE 9600156 W 19960209
- SE 9500476 A 19950210

Abstract (en)

[origin: WO9624812A1] In a regenerative heat exchanger of the kind having a rotor (2) mounted in a casing (1), supports (10) are provided for maintaining a certain clearance between the rotor (2) and movable plates (6, 8) connected to the casing (1) and located closed to the rotor ends. Each support co-operates through a guided surface (62) on a sliding shoe (25) with a guiding surface (61) on a flange (12) on the rotor (2). According to the invention the support (10) is provided with water conduit means (63, 65, 66) ending in the guided surface (62) and being connected to a water source of a pressure sufficient to establish a gap between the guided (62) and the guiding (61) surface so that a cushion of vaporized water is established between the surfaces (61, 62) as the water vaporizes by contact with the guiding surface (61), which is hot, and escapes from the conduit means (63, 65, 66) through the gap.

IPC 1-7

F28D 19/04

IPC 8 full level

F28D 19/04 (2006.01)

CPC (source: EP)

F28D 19/047 (2013.01)

Designated contracting state (EPC)

DE DK FR GB SE

DOCDB simple family (publication)

WO 9624812 A1 19960815; DE 69611519 D1 20010215; DE 69611519 T2 20010809; DK 0807237 T3 20010430; EP 0807237 A1 19971119; EP 0807237 B1 20010110; PL 321712 A1 19971222; SE 503962 C2 19961007; SE 9500476 D0 19950210; SE 9500476 L 19960811

DOCDB simple family (application)

SE 9600156 W 19960209; DE 69611519 T 19960209; DK 96903291 T 19960209; EP 96903291 A 19960209; PL 32171296 A 19960209; SE 9500476 A 19950210