

Title (en)

Regenerative heat exchanger with forced rotor seal

Title (de)

Regenerativer Wärmetauscher mit zwangsgeführter Rotordichtung

Title (fr)

Echangeur thermique régénératif doté d'un joint de rotor forcé

Publication

EP 2458315 B1 20170104 (DE)

Application

EP 10015001 A 20101125

Priority

EP 10015001 A 20101125

Abstract (en)

[origin: EP2458315A1] The regenerative heat exchanger (1) has a heat accumulator designed as rotor, where the accumulator is pivoted around a central rotary axis (A). The heat from a gas volume flow (V) arising by the rotor (2) is transferred to another gas volume flow arising by the rotor, where a sealing system is provided for the rotor. The sealing system has seals (4,5) fixed against the rotor. The seal on one hand is pressed on the rotor and on the other hand is held at the rotor.

IPC 8 full level

F28D 19/04 (2006.01)

CPC (source: EP US)

F28D 19/047 (2013.01 - EP US)

Cited by

DE102015008253A1; EP3171117A1; DE102015015133A1; CN112610978A; CN103939936A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2458315 A1 20120530; EP 2458315 B1 20170104; CN 102767981 A 20121107; CN 102767981 B 20160629; RU 2011148135 A 20130527; RU 2594034 C2 20160810; US 2012298326 A1 20121129

DOCDB simple family (application)

EP 10015001 A 20101125; CN 201110461849 A 20111125; RU 2011148135 A 20111125; US 201113303127 A 20111122