

Title (en)

Rotary heat exchanger with improved surrounding seal

Title (de)

Rotationswärmetauscher mit verbesserter Umfangsdichtung

Title (fr)

Echangeur thermique rotatif doté d'un joint périphérique amélioré

Publication

EP 2520891 B1 20130724 (DE)

Application

EP 11164602 A 20110503

Priority

EP 11164602 A 20110503

Abstract (en)

[origin: EP2520891A1] The heat exchanger has a housing, and a storage mass (2) comprising flow channels (3) and cylinder front surfaces (10, 20). A peripheral seal is arranged on a casing surface (2a) of the storage mass, and has sealing profiles (31a, 31b). The seal has buckling springs (40) fastened to the casing surface. Stoppers (43a, 43b) are formed for pressing the profiles at housing front surfaces by restoring force of the springs. The seal has pressing areas (44a, 44b) for holding the profiles in contact with the casing surface such that lifting of the profiles from the casing surface is inhibited.

IPC 8 full level

F28D 19/04 (2006.01)

CPC (source: EP)

F28D 19/041 (2013.01); **F28D 19/047** (2013.01); **F24F 3/1423** (2013.01); **F24F 2203/10** (2013.01); **F24F 2203/1096** (2013.01)

Cited by

CN108224600A

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 2520891 A1 20121107; EP 2520891 B1 20130724

DOCDB simple family (application)

EP 11164602 A 20110503