

Title (en)

Regenerative heat exchanger and method for transferring heat between two solids

Title (de)

Regenerativer Wärmetauscher und Verfahren zur Übertragung von Wärme zwischen zwei Feststoffen

Title (fr)

Echangeur thermique régénératif et procédé de transmission de chaleur entre deux matières solides

Publication

EP 2348272 A3 20150826 (DE)

Application

EP 11151711 A 20110121

Priority

DE 102010005578 A 20100122

Abstract (en)

[origin: EP2348272A2] The heat exchanger (45) has a positioning device (60) for changing a position of a heat exchanger surface (57) between a heat receiving position (I) and a heat discharging position (II). A free-flowing solid in the heat receiving position of the heat exchanger surface is moved in a direction of movement along the heat exchanger surface from one side (72) to another side (73) of the heat exchanger surface. Another free-flowing solid (F2) in the heat discharging position is moved along the heat exchanger surface from the latter side to the former side of the heat exchanger surface. An independent claim is also included for a method for transferring heat between two free-flowing solids.

IPC 8 full level

F28D 19/04 (2006.01); **F28D 17/00** (2006.01); **F28D 19/02** (2006.01)

CPC (source: EP)

F28D 17/005 (2013.01); **F28D 19/02** (2013.01)

Citation (search report)

- [X] GB 322601 A 19291212 - WILFRED ROTHERY WOOD
- [X] DE 3225838 A1 19840112 - GADELIUS KK [JP]
- [A] FR 1493816 A 19670901 - BABCOCK & WILCOX CO
- [A] DE 3133470 A1 19830331 - SAARBERGWERKE AG [DE]
- [A] US 5362449 A 19941108 - HEDENHAG JORGEN G [US]
- [AD] EP 0044476 A2 19820127 - KELLER WOLFGANG

Cited by

US8799666B2; WO2013076131A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2348272 A2 20110727; EP 2348272 A3 20150826; EP 2348272 B1 20181031; DE 102010005578 A1 20110728; ES 2700501 T3 20190218; PL 2348272 T3 20190228

DOCDB simple family (application)

EP 11151711 A 20110121; DE 102010005578 A 20100122; ES 11151711 T 20110121; PL 11151711 T 20110121