

Title (en)

PROCESS AND APPARATUS FOR TRANSFERRING HEAT FROM A FIRST MEDIUM TO A SECOND MEDIUM

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ÜBERTRAGUNG VON WÄRME VON EINEM ERSTEN MEDIUM AUF EIN ZWEITES MEDIUM

Title (fr)

PROCÉDÉ ET APPAREIL PERMETTANT LE TRANSFERT DE CHALEUR D'UN PREMIER MILIEU À UN SECOND MILIEU

Publication

EP 2118586 A1 20091118 (EN)

Application

EP 08716835 A 20080213

Priority

- EP 2008051752 W 20080213
- EP 07102399 A 20070214
- EP 07109194 A 20070530
- EP 08716835 A 20080213

Abstract (en)

[origin: WO2008098968A1] The invention relates to a process of transferring heat from a first relatively cold medium (23) to a second relatively hot medium (22), comprising the steps of rotating a contained amount (6) of a compressible fluid about an axis of rotation, thus generating a radial temperature gradient in the fluid, and heating the second medium (22) by means of the fluid in a section of the fluid relatively far from the axis of rotation. The invention also pertains to an apparatus for carrying said process.

IPC 8 full level

F25B 3/00 (2006.01); **F24J 3/00** (2006.01); **F25B 9/00** (2006.01)

CPC (source: EP US)

F25B 3/00 (2013.01 - EP US); **F25B 9/00** (2013.01 - EP US)

Citation (search report)

See references of WO 2008098968A1

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

WO 2008098968 A1 20080821; AU 2008214605 A1 20080821; BR PI0807226 A2 20140429; CA 2677590 A1 20080821; EP 2118586 A1 20091118; JP 2010533832 A 20101028; MX 2009008657 A 20091126; RU 2009132192 A 20110320; US 2010108295 A1 20100506

DOCDB simple family (application)

EP 2008051752 W 20080213; AU 2008214605 A 20080213; BR PI0807226 A 20080213; CA 2677590 A 20080213; EP 08716835 A 20080213; JP 2009549412 A 20080213; MX 2009008657 A 20080213; RU 2009132192 A 20080213; US 52673408 A 20080213