

Title (en)

INDIRECT HEAT EXCHANGE DEVICE AND METHOD OF EXCHANGING HEAT

Title (de)

INDIREKTE WÄRMETAUSCHERVORRICHTUNG UND WÄRMETAUSCHVERFAHREN

Title (fr)

DISPOSITIF D'ÉCHANGE THERMIQUE INDIRECT ET PROCÉDÉ D'ÉCHANGE THERMIQUE

Publication

EP 2147274 A1 20100127 (EN)

Application

EP 08759677 A 20080514

Priority

- EP 2008056036 W 20080514
- EP 07108131 A 20070514
- EP 08759677 A 20080514

Abstract (en)

[origin: WO2008138988A1] Indirect heat exchange device comprising heat exchanger tubes arranged in at least 2 layers each of which layers comprises at least 2 heat exchanger tubes wherein the heat exchanger tubes are eccentrically finned (53) heat exchanger tubes having a ratio of surface area of the fins to surface area of the tube of at least 5, and in which device the heat exchanger tubes have similar eccentricity; and method of exchanging heat with the help of such device.

IPC 8 full level

F28F 1/24 (2006.01); **F28F 1/36** (2006.01)

CPC (source: EP US)

F28F 1/24 (2013.01 - EP US); **F28F 1/36** (2013.01 - EP US); **F28B 1/06** (2013.01 - EP US)

Citation (search report)

See references of WO 2008138988A1

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 2008138988 A1 20081120; AU 2008249955 A1 20081120; AU 2008249955 B2 20110120; DK 2147274 T3 20120903; EP 2147274 A1 20100127; EP 2147274 B1 20120815; RU 2009146022 A 20110620; RU 2476803 C2 20130227; US 2011000650 A1 20110106; ZA 200907524 B 20100728

DOCDB simple family (application)

EP 2008056036 W 20080514; AU 2008249955 A 20080514; DK 08759677 T 20080514; EP 08759677 A 20080514; RU 2009146022 A 20080514; US 59993008 A 20080514; ZA 200907524 A 20091027