

Title (en)
ROTARY HEAT EXCHANGER

Title (de)
ROTATIONSWÄRMETAUSCHER

Title (fr)
ÉCHANGEUR DE CHALEUR ROTATIF

Publication
EP 2850377 B1 20160914 (EN)

Application
EP 13735396 A 20130516

Priority
• IT MI20120866 A 20120518
• IB 2013000957 W 20130516

Abstract (en)
[origin: WO2013171566A1] It is described a heat exchanger (1) for liquids comprising a container (2) inside which at least a first liquid is located and at least one rotor (3) rotatably constrained inside the container. The rotor (3) comprises at least one hollow body (10) provided with at least two side walls (11 and 12) constrained to each other to form a hollow (13) within for the passage of at least a second liquid. The hollow body/ bodies (10) is/ are rotated around an axis (X) and at least one of the side walls (11 and 12) of the hollow body comprises at least one elongated dip (20, 20') extending along a line non - radial with respect to the rotation axis (X). The heat exchanger is characterized in that at least one side wall (11, 12) of the at least one hollow body (10) comprises a first plurality of dips (20) and at least one second plurality of dips (20'), having dimensions smaller than the dips of the first plurality of dips (20).

IPC 8 full level
F28D 11/02 (2006.01); **F28F 3/04** (2006.01)

CPC (source: EP)
F28D 11/02 (2013.01); **F28F 3/044** (2013.01)

Cited by
IT201700114724A1; KR102239471B1

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)
WO 2013171566 A1 20131121; DK 2850377 T3 20170109; EP 2850377 A1 20150325; EP 2850377 B1 20160914; ES 2617525 T3 20170619; IT MI20120866 A1 20131119

DOCDB simple family (application)
IB 2013000957 W 20130516; DK 13735396 T 20130516; EP 13735396 A 20130516; ES 13735396 T 20130516; IT MI20120866 A 20120518