

Title (en)
HEAT EXCHANGER WITH ULTRASOUND GENERATORS

Title (de)
WÄRMETAUSCHER MIT ULTRASCHALLGENERATOREN

Title (fr)
ECHANGEUR THERMIQUE A GENERATEURS D'ULTRASON

Publication
EP 2929274 A1 20151014 (FR)

Application
EP 13801537 A 20131203

Priority
• FR 1261647 A 20121205
• EP 2013075385 W 20131203

Abstract (en)
[origin: WO2014086779A1] A heat exchanger (10) comprises a plurality of fluid flow channels (11) and a header (12) fed with a stream (F) of a two-phase fluid having two phases (PL, PV), one of them being the liquid phase (PL) and distributing said stream (F) to the plurality of channels (11). Each channel (11) has an inlet opening into the header (12). The heat exchanger (10) comprises at least one main ultrasound generator (13) associated with at least one of said channels (11) and configured to generate a deformation (14) of a free surface of said liquid phase (PL) extending close to the inlet of the associated channel (11), notably toward the inlet of the associated channel (11).

IPC 8 full level
F28F 13/10 (2006.01)

CPC (source: EP)
F28F 13/10 (2013.01)

Citation (search report)
See references of WO 2014086779A1

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)
FR 2998955 A1 20140606; FR 2998955 B1 20141226; EP 2929274 A1 20151014; WO 2014086779 A1 20140612

DOCDB simple family (application)
FR 1261647 A 20121205; EP 13801537 A 20131203; EP 2013075385 W 20131203