

Title (en)

Header distributor for two-phase flow in a single pass evaporator

Title (de)

Verteiler für Zweiphasenströmung in einem Durchlaufverdampfer

Title (fr)

Distributeur pour un écoulement diphasique dans un évaporateur à passage unique

Publication

EP 2141411 B1 20130821 (EN)

Application

EP 08447033 A 20080630

Priority

EP 08447033 A 20080630

Abstract (en)

[origin: EP2141411A1] The present invention is related to an evaporator section (3) in a steam generator comprising an inlet header (11), an outlet header (13), a plurality of heating tubes (12) connected in parallel at a first end to said inlet header (11) and at a second end to said outlet header (13), at least a feeder pipe (10) terminated by a feeder nozzle (14) connected to said inlet header (11) and a header distributor (16, 20) for conveying a biphasic fluid through the inlet header (11) from the feeder pipe (10), characterized in that said header distributor (16, 20) comprises means (17, 18, 19, 21) to perform an equalization of the biphasic fluid distribution inside said plurality of heating tubes (12).

IPC 8 full level

F22B 37/22 (2006.01); **F22B 1/18** (2006.01); **F22B 29/06** (2006.01); **F22B 37/14** (2006.01); **F22B 37/74** (2006.01)

CPC (source: EP)

F22B 1/18 (2013.01); **F22B 29/06** (2013.01); **F22B 37/14** (2013.01); **F22B 37/22** (2013.01); **F22B 37/74** (2013.01)

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

DOCDB simple family (publication)

EP 2141411 A1 20100106; **EP 2141411 B1 20130821**; PL 2141411 T3 20140131

DOCDB simple family (application)

EP 08447033 A 20080630; PL 08447033 T 20080630