

Title (en)

Heat exchanger with additional liquid regulation in jacket area

Title (de)

Wärmetauscher mit zusätzlicher Flüssigkeitsregelung im Mantelraum

Title (fr)

Echangeur thermique doté d'un réglage de liquide supplémentaire dans l'espace d'enveloppe

Publication

EP 2511642 B1 20160803 (DE)

Application

EP 12002468 A 20120405

Priority

DE 102011017029 A 20110414

Abstract (en)

[origin: EP2511642A2] The heat exchanger (1) has a control unit (33) designed to regulate the distribution of a stream (S) of a fluid (F) in a jacket space (200) or to regulate another fluid stream (S') that is guided in the jacket space. A coiled tube bundle (10) is formed around a core tube (100) for a medium. A liquid distributor (40) is comprised of a main distributor (44) above the tube bundle for receiving the distribution of liquid stream, where the main distributor has through-openings, by which the liquid is passed through the tube bundle.

IPC 8 full level

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CPC (source: EP US)

F25J 5/002 (2013.01 - EP US); **F28D 7/0066** (2013.01 - EP US); **F28D 7/024** (2013.01 - EP US); **F28F 9/0265** (2013.01 - EP US); **F28F 27/02** (2013.01 - EP US); **F25J 2210/06** (2013.01 - EP US); **F25J 2280/02** (2013.01 - EP US); **F25J 2290/32** (2013.01 - EP US); **F28D 2021/0066** (2013.01 - EP US)

Cited by

US2013292089A1; EP3447425A1; RU2636287C2; EP2818821A1; EP3719433A1; EP3719434A1; US10113802B2; WO2014060093A1; WO2014056588A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 2511642 A2 20121017; **EP 2511642 A3 20130508**; **EP 2511642 B1 20160803**; AU 2012201798 A1 20121101; CN 102735098 A 20121017; CN 102735098 B 20160518; RU 2012114798 A 20131020; US 2012261089 A1 20121018; US 9726434 B2 20170808

DOCDB simple family (application)

EP 12002468 A 20120405; AU 2012201798 A 20120327; CN 201210157115 A 20120412; RU 2012114798 A 20120413; US 201213446385 A 20120413