

Title (en)

A SHELL HEAT EXCHANGER AND USE OF A SHELL HEAT EXCHANGER

Title (de)

MANTELWÄRMETAUSCHER UND VERWENDUNG EINES MANTELWÄRMETAUSCHERS

Title (fr)

ÉCHANGEUR DE CHALEUR À CALANDRE ET UTILISATION D'UN TEL ÉCHANGEUR DE CHALEUR À CALANDRE

Publication

**EP 3650794 A1 20200513 (EN)**

Application

**EP 18204873 A 20181107**

Priority

EP 18204873 A 20181107

Abstract (en)

Disclosed is a shell heat exchanger (1) comprising a plate heat exchanging section (2) which comprises a stack of corrugated heat transfer plates (3), and a tube heat exchanging section (4) which comprises a plurality of heat exchanging tubes (5), wherein the plate heat exchanging section (2) and the tube heat exchanging section (4) are arranged separate from each other and wherein the plate heat exchanging section (2) and the tube heat exchanging (4) are enclosed inside the same common heat exchanger shell (6). Furthermore, use of a shell heat exchanger (1) for exchanging heat between at least two mediums wherein the pressure of at least one of the mediums is different from the pressure surrounding the shell heat exchanger (1).

IPC 8 full level

**F28D 7/00** (2006.01); **F28D 7/16** (2006.01); **F28D 9/00** (2006.01)

CPC (source: EP)

**F28D 7/0066** (2013.01); **F28D 7/16** (2013.01); **F28D 9/0006** (2013.01); **F28D 9/0093** (2013.01)

Citation (applicant)

EP 1479985 B1 20170614 - ALFA LAVAL CORP AB [SE]

Citation (search report)

- [XII] DE 202016104687 U1 20160907 - LOB GMBH [DE]
- [A] DE 102013010510 A1 20140306 - GEA REFRIGERATION GERMANY GMBH [DE]
- [A] JP 2000205768 A 20000728 - TOKYO GAS CO LTD
- [AD] EP 1479985 B1 20170614 - ALFA LAVAL CORP AB [SE]

Cited by

CN115312217A; WO2021063348A1; WO2024035928A1

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

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