

Title (en)

Double-wall, vented heat exchanger

Title (de)

Doppelplatten-Wärmetauscher mit Leckbelüftung

Title (fr)

Échangeur de chaleur à doubles plaques avec évent de fuite

Publication

EP 1811255 A2 20070725 (EN)

Application

EP 06256427 A 20061218

Priority

US 33637406 A 20060120

Abstract (en)

A plate heat exchanger (10) includes a plurality of plate pairs (26,28) for providing a flow path for two fluids (F1,F2). The plate heat exchanger (10) has an inlet (18,22) and an outlet (20,24) for each of the two fluids (F1,F2), wherein facing surfaces of two adjacent plate pairs of the plurality of plate pairs (26,28) defines a flow path for a first fluid (F1). The opposite surface of one of the two adjacent plate pairs and a facing surface of another adjacent plate pair from the plurality of plate pairs (26,28) provides a flow path for a second fluid (F2). The first fluid (F1) and the second fluid (F2) flowing along their respective flow paths are maintained in thermal communication with each other. A predetermined vent path (54) is formed in at least one of the facing surfaces of each plate pair capable of venting each fluid exterior of the heat exchanger (10).

IPC 8 full level

F28D 9/00 (2006.01); **F28F 3/00** (2006.01); **F28F 3/04** (2006.01)

CPC (source: EP US)

F28D 9/005 (2013.01 - EP US); **F28F 3/005** (2013.01 - EP US); **F28F 3/046** (2013.01 - EP US); **F28F 2265/16** (2013.01 - EP US)

Cited by

EP3745072A1; EP4102170A1; EP3404350A4; WO2020239894A1; US11933547B2; WO2022015217A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

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