

Title (en)

THERMAL-EXCHANGE ASSEMBLY OF THE PLATE HEAT EXCHANGER TYPE

Publication

EP 0019508 B1 19821020 (FR)

Application

EP 80400560 A 19800425

Priority

FR 7912727 A 19790518

Abstract (en)

[origin: US4330308A] This invention relates to heat exchangers comprising vertically arranged plates, and passages are provided which extend from an inlet casing to an outlet casing, as well as further passages which extend from a two-phase inlet casing to other outlet casings. Other passages for an auxiliary fluid extend between the latter casing outlet and an upper extremity of the heat exchanger. Heat exchangers according to the invention can be used for the liquefaction of natural gas in particular.

IPC 1-7

F28D 9/00; F25J 3/00

IPC 8 full level

F28F 3/08 (2006.01); **F25J 1/02** (2006.01); **F25J 3/00** (2006.01); **F28D 9/00** (2006.01)

CPC (source: EP US)

F25J 1/0022 (2013.01 - EP US); **F25J 1/0052** (2013.01 - EP US); **F25J 1/0087** (2013.01 - EP US); **F25J 1/0216** (2013.01 - EP US);
F25J 1/0262 (2013.01 - EP US); **F25J 1/0292** (2013.01 - EP US); **F25J 5/002** (2013.01 - EP US); **F28D 9/0068** (2013.01 - EP US);
F28D 9/0093 (2013.01 - EP US); **F25J 2205/02** (2013.01 - EP); **F25J 2250/02** (2013.01 - EP US); **F25J 2290/32** (2013.01 - EP US);
F25J 2290/40 (2013.01 - EP US); **F28D 2021/0033** (2013.01 - EP US); **F28F 2250/108** (2013.01 - EP US); **Y10S 62/905** (2013.01 - EP US)

Cited by

FR2793548A1; FR2774755A1; US5777056A; EP0546947A1; FR2685071A1; US5333683A; US6189338B1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LU NL SE

DOCDB simple family (publication)

EP 0019508 A1 19801126; EP 0019508 B1 19821020; AT E1684 T1 19821115; DE 3060964 D1 19821125; FR 2456924 A2 19801212;
JP H0154639 B2 19891120; JP S55155195 A 19801203; US 4330308 A 19820518

DOCDB simple family (application)

EP 80400560 A 19800425; AT 80400560 T 19800425; DE 3060964 T 19800425; FR 7912727 A 19790518; JP 6546680 A 19800519;
US 14581480 A 19800501