

Title (en)

MODULAR PLATE AND SHELL HEAT EXCHANGER

Title (de)

MODULARE PLATTE UND SCHALENWÄRMETAUSCHER

Title (fr)

ÉCHANGEUR DE CHALEUR À ENVELOPPE ET PLAQUE MODULAIRE

Publication

EP 2802835 A1 20141119 (EN)

Application

EP 13735908 A 20130104

Priority

- US 201213348832 A 20120112
- US 2013020206 W 20130104

Abstract (en)

[origin: WO2013106240A1] A modular plate and shell heat exchanger in which welded pairs of heat transfer plates are tandemly spaced and coupled in parallel between an inlet and outlet conduit to form a heat transfer assembly. The heat transfer assembly is placed in the shell in order to transfer heat from a secondary to a primary fluid. Modules of one or more of the heat transfer plates are removably connected using gaskets at the inlet and outlet conduits which are connected to a primary fluid inlet and a primary fluid outlet nozzle. The heat transfer assembly is supported by a structure which rests on an internal track which is attached to the shell and facilitates removal of the heat transfer plates. The modular plate and shell heat exchanger has a removable head integral to the shell for removal of the heat transfer assembly for inspection, maintenance and replacement.

IPC 8 full level

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CPC (source: EP)

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