

Title (en)
High-pressure plate heat exchanger

Title (de)
Hochdruckplattenwärmetauscher

Title (fr)
Échangeur thermique de plaque à haute pression

Publication
EP 2840346 B1 20180418 (EN)

Application
EP 14178382 A 20140724

Priority
US 201313957011 A 20130801

Abstract (en)
[origin: EP2840346A1] A heat exchanger plate (10b) has multiple structures thereon. A heat transfer portion has a plurality of ribs arranged in a rib pattern (12b). A fluid ingress structure (14a) is arranged near a first corner of the heat exchanger plate. The structure includes a first open fluid aperture defined in the heat exchanger plate, and a first platform arranged between the first open fluid aperture and the first corner. The first platform is connected to a rib of the rib pattern. A fluid bypass structure is arranged near a second corner. The fluid bypass structure includes a closed fluid aperture defined in the heat exchanger plate, a second platform completely surrounding the closed fluid aperture, and a first corner rib arranged between the second platform and the second corner. The first corner rib is connected to a rib of the rib pattern.

IPC 8 full level
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CPC (source: EP US)
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