

Title (en)
PLATE-TYPE HEAT EXCHANGE UNIT AND METHOD OF FORMING SAME

Publication
EP 0206416 A3 19870902 (EN)

Application
EP 86201052 A 19860617

Priority
• US 74585785 A 19850617
• US 79521285 A 19851105

Abstract (en)
[origin: EP0206416A2] A heat exchange unit utilizing a sandwich plate-type construction with multiple plates joined together such as by welds in selected patterns extending substantially over the unit. Inner plates (102,104) are pillowed to define an inner fluid passage (114) within the inner plates and between the joints. Other plates (106,108) outwardly of the inner plates are also pillowed to define outer fluid passages (116,118) between the joints at each side of the inner passage, thus providing three or more parallel fluid passages for heat transfer therebetween. The plate-type heat exchanger is formed by joining plates together in selected joining patterns, and expanding selected plates relative to other plates to pillow the selected plates to form at least one inner fluid passage between plates and at least two other fluid passages outwardly of the inner passage at each side thereof.

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F28F 3/14

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CPC (source: EP)
F28F 3/14 (2013.01)

Citation (search report)
• [X] US 3206839 A 19650921 - TRANEL LESTER J, et al
• [A] US 3140755 A 19640714 - JOSEPH TRANEL LESTER
• [A] US 3927817 A 19751223 - HAMILTON C HOWARD, et al

Cited by
EP2413081A1; CN106152838A; US7853131B2; US8820224B2; US7316666B1; WO9514197A1; EP1327489B1; EP2413081B1

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