

Title (en)
TANK HEADER PLATE CONNECTION

Publication
EP 0169632 B2 19930505 (EN)

Application
EP 85303220 A 19850507

Priority
• US 62653884 A 19840628
• US 63189384 A 19840713

Abstract (en)
[origin: EP0169632A1] A connection for securing a tank (10) to a header plate (12) in a heat exchanger. A metal header plate (12) is provided with a peripheral groove (28) having a bottom wall (32) and an upstanding side wall (30). A compressible gasket (40) is received in the groove (28) to compress the gasket (40). A plurality of tabs (42) are deformed from the side wall (30) to overlie a side (22) of the flange (20) of the tank (10). The tabs (42) are generally egg-shaped or spherical and have free edges (44) engaging the flange (20) to provide excellent resistance to deformation.

IPC 1-7
F28F 9/02; B23P 11/00

IPC 8 full level
F28F 9/02 (2006.01)

CPC (source: EP)
F28F 9/0226 (2013.01); **F28F 2275/122** (2013.01)

Cited by
EP0300857A1; EP0372187B1

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EP 0169632 A1 19860129; **EP 0169632 B1 19880210**; **EP 0169632 B2 19930505**; CA 1247591 A 19881228; DE 3561606 D1 19880317; JP H072778 U 19950117; JP H0729415 Y2 19950705

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EP 85303220 A 19850507; CA 480416 A 19850430; DE 3561606 T 19850507; JP 127494 U 19940202