

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

Designated contracting state (EPC)  
AT DE FR GB IT NL SE

DOCDB simple family (publication)  
**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

DOCDB simple family (application)  
**EP 85303220 A 19850507**; CA 480416 A 19850430; DE 3561606 T 19850507; JP 127494 U 19940202