

Title (en)
PRESSURE TANK CONSTRUCTION FOR CORROSIVE MEDIUM

Publication
EP 0244946 A3 19880420 (EN)

Application
EP 87302867 A 19870402

Priority
CA 508818 A 19860509

Abstract (en)
[origin: EP0244946A2] A steel hot water tank (12) having a corrosion inhibiting coating on the interior surfaces (34) of the tank is provided with end portions (14, 16) each having concave interior surfaces. A connecting device (54) is used to permit connection of a precoated tank end to a precoated tank interior whereby the heat of welding the tank end to the tank side wall does not degrade the corrosion inhibiting coating of the tank interior. This construction provides increased volume for the tank compared to existing hot water tank constructions, and enables the use of material thicknesses in the tank ends which may be equal to or less than the material thicknesses of the tank side wall. A process is provided which permits the welding of the tank end to the tank side wall without degrading the corrosion inhibiting coatings previously applied to the parts being assembled.

IPC 1-7
F24H 1/18

IPC 8 full level
B65D 88/06 (2006.01); **B65D 90/04** (2006.01); **F24H 1/18** (2006.01)

CPC (source: EP)
F24H 1/181 (2013.01)

Citation (search report)
• [X] US 2354532 A 19440725 - MARTIN WESLEY G
• [X] US 2263021 A 19411118 - UECKER OTTO E
• [A] EP 0156228 A2 19851002 - STATE IND INC [US]

Cited by
GB2284657A; CN102133958A

Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0244946 A2 19871111; **EP 0244946 A3 19880420**; AU 7098287 A 19871112; CA 1261770 A 19890926; CN 87103389 A 19871230; JP S6322389 A 19880129

DOCDB simple family (application)
EP 87302867 A 19870402; AU 7098287 A 19870402; CA 508818 A 19860509; CN 87103389 A 19870505; JP 10485287 A 19870430