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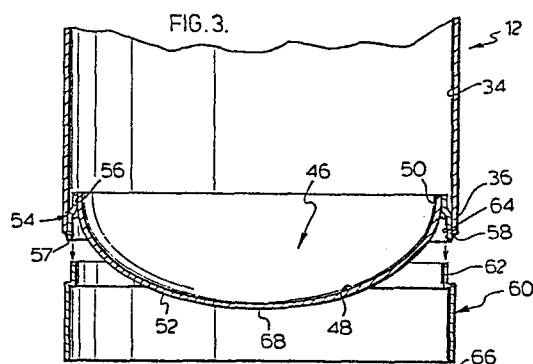
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54 **Pressure tank construction for corrosive medium.**

57 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.





European Patent
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EUROPEAN SEARCH REPORT

Application Number

EP 87 30 2867

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
X	US-A-2 354 532 (MARTIN) * Whole document *	1-3,5-8	F 24 H 1/18
A	----	9	
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A	EP-A-0 156 228 (STATE INDUSTRIES) * Abstract * -----	1,9	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			F 24 H B 65 D
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 22-01-1988	Examiner VAN GESTEL H.M.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			