

Title (en)  
ELBOW FITTINGS FOR DOUBLE CONTAINMENT PIPE ASSEMBLIES

Publication  
**EP 0580799 A4 19940511 (EN)**

Application  
**EP 92917277 A 19920403**

Priority  
US 68132491 A 19910404

Abstract (en)  
[origin: WO9217725A1] A double containment pipe assembly having curved portions formed from elbow fittings (10, 12) extending between straight portions of an inner and outer concentric pipe assembly. The elbows or curved fittings (10, 12) occupy the same angular sector of a circle and are concentric to each other. The spacing between the inner and outer curved surfaces of the fittings of the elbows (10, 12) is consistent and the same throughout the radius of curvature of the elbows. This provides maximum protection against contact of the inner and outer fittings (10, 12) during thermal expansion and contraction of the pipe. Straight portions of pipe (18, 20) can be secured to opposite faces (14, 16) of the fittings for ease of field fabrication of the double containment pipe assembly. The straight portions may be butt-welded or joined by butt-and-wrap techniques to the end faces (14, 16) of the fittings or nested in or over sockets (14', 16') provided at the end faces.

IPC 1-7  
**F16L 39/00**

IPC 8 full level  
**F16L 39/00** (2006.01)

CPC (source: EP)  
**F16L 39/005** (2013.01)

Citation (search report)  
• [X] DE 3836326 A1 19900426 - TSCHERWITSCHKE GMBH RICHARD [DE]  
• [PA] DE 9101646 U1 19910502  
• [A] DE 399192 C 19240728 - CFCMUG  
• [A] EP 0328094 A2 19890816 - VAILLANT JOH GMBH & CO [DE]  
• See references of WO 9217725A1

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

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**WO 9217725 A1 19921015**; AU 1797192 A 19921102; CA 2107562 A1 19921005; EP 0580799 A1 19940202; EP 0580799 A4 19940511

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