

Title (en)

SHELL PRODUCTION METHOD, ESPECIALLY FOR A CRYOGENIC FLUID STORAGE VESSEL, AND SHELL THUS OBTAINED

Publication

**EP 0133384 B1 19881012 (FR)**

Application

**EP 84401285 A 19840621**

Priority

FR 8310473 A 19830624

Abstract (en)

[origin: US4577386A] The method comprises winding on a mandrel M a tube 1 having a flattened cross-sectional shape so as to form a helical structure, mounting on the mandrel and the tube a sheet metal cylinder 2, injecting in the tube a fluid under pressure so as to cause the tube to assume, by expansion, the shape of a coiled tube having a circular cross-sectional shape and thereby locally deform the wall of the cylinder in the shape of a helical impression, and fixing the coiled tube to the cylinder so as to produce the sleeve. The invention applies in particular to containers for cryogenic fluids provided with coiled heating tubes in an interwall space containing a vacuum between the sleeve and the internal tank.

IPC 1-7

**B21D 53/06; F17C 3/08**

IPC 8 full level

**B21C 37/15** (2006.01); **B21C 37/26** (2006.01); **B21D 53/02** (2006.01); **B21D 53/06** (2006.01); **F17C 3/00** (2006.01); **F17C 3/08** (2006.01)

CPC (source: EP US)

**B21D 53/06** (2013.01 - EP US); **F17C 3/08** (2013.01 - EP US); **F17C 2209/2163** (2013.01 - EP US); **Y10T 29/49879** (2015.01 - EP US)

Cited by

EP0430731A1

Designated contracting state (EPC)

BE DE FR GB IT SE

DOCDB simple family (publication)

**FR 2547896 A1 19841228; FR 2547896 B1 19851129**; DE 3474526 D1 19881117; EP 0133384 A1 19850220; EP 0133384 B1 19881012; JP S6018223 A 19850130; US 4577386 A 19860325

DOCDB simple family (application)

**FR 8310473 A 19830624**; DE 3474526 T 19840621; EP 84401285 A 19840621; JP 12942884 A 19840625; US 62517584 A 19840625