

Title (en)

Apparatus and manufacturing process for making a gas-tight flexible welded pipe

Title (de)

Verfahren und Vorrichtung zur Herstellung eines geschweissten gasdichten und flexiblen Rohrs

Title (fr)

procédé et dispositif de fabrication d'un tuyau flexible soudé étanche au gaz

Publication

**EP 1112787 A2 20010704 (EN)**

Application

**EP 00125604 A 20001122**

Priority

IT MI992753 A 19991230

Abstract (en)

A gas-tight tube is formed starting from a strip of partially corrugated sheet metal with longitudinal corrugations, assembled in a spiral with overlapping edges and welded. The manufacturing process comprises winding the sheet metal strip upon itself in a spiral so that a corrugated portion of a strip length externally overlaps a flat portion of a previously wound strip length, and welding the overlapping portions to each other. The apparatus comprises a feeding device for feeding the corrugated strip, to a rotating mandrel with which pressure rollers collaborate to bend the strip in a spiral; downstream of the mandrel it comprises a welding device that welds the overlapping portions of the spiral of metal strip. <IMAGE>

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