

Title (en)

Gas-tight flexible welded pipe, apparatus for making same and manufacturing process

Title (de)

Gasdichtes geschweisstes flexibles Rohr sowie Verfahren und Vorrichtung zu seiner Herstellung

Title (fr)

Tuyau flexible soudé étanche aux gaz ainsi procédé et dispositif pour sa fabrication

Publication

EP 1112787 A3 20020731 (EN)

Application

EP 00125604 A 20001122

Priority

IT MI992753 A 19991230

Abstract (en)

[origin: EP1112787A2] 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>

IPC 1-7

B21C 37/12

IPC 8 full level

B21C 37/12 (2006.01)

CPC (source: EP)

B21C 37/122 (2013.01)

Citation (search report)

- [X] DE 2645946 A1 19780413 - PFORZHEIM METALLSCHLAUCH
- [A] US 3857159 A 19741231 - DAVIS P
- [X] GB 940888 A 19631106 - RHEINMETALL GMBH
- [A] NL 8702946 A 19890703 - DEC HOLDING BV
- [A] US 3721793 A 19730320 - SKACHKO J, et al
- [A] EP 0408538 A2 19910116 - MOLDRICH METALLWAREN GMBH [AT]

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 1112787 A2 20010704; EP 1112787 A3 20020731; EP 1112787 B1 20060201; AT E316829 T1 20060215; DE 60025790 D1 20060413; DE 60025790 T2 20061102; ES 2258436 T3 20060901; IT 1314350 B1 20021209; IT MI992753 A0 19991230; IT MI992753 A1 20010630

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