

Title (en)

Apparatus for the production of a corrugated tube by helical coiling of a thin undulated strip

Title (de)

Vorrichtung zum Herstellen eines Wellrohres durch schraubenlinienförmiges Wickeln eines dünnen gewellten Bandes

Title (fr)

Dispositif de fabrication d'un tube ondulé par enroulement hélicoïdal d'une mince bande ondulée

Publication

**EP 0970763 A3 20010509 (DE)**

Application

**EP 99112526 A 19990701**

Priority

DE 19830401 A 19980708

Abstract (en)

[origin: DE19830401C1] A spirally wound corrugated tube manufacturing mill has interior and exterior strip joining rolls (4, 5) with diametrically opposite shoulder regions for defining a rectangular deformation space. A mill for corrugated tube manufacture by spiral winding of longitudinally corrugated strip comprises: (a) an exterior strip joining roll (5) with a corrugation profile matching that of the strip (6); and (b) an interior strip joining roll (4) with a corrugation profile larger than that of the strip, the corrugation peaks having the same curvature radius as the strip corrugations, and the corrugation valleys having a slightly greater curvature radius than the strip corrugations. In the region of the corrugations to be strip joined and deformed, the two rolls have diametrically opposite shoulder regions forming an intermediate rectangular deformation space.

IPC 1-7

**B21C 37/12**

IPC 8 full level

**B21C 37/12** (2006.01)

CPC (source: EP)

**B21C 37/124** (2013.01)

Citation (search report)

- [AD] EP 0182001 A2 19860528 - HAHN FRITZ KG [DE]
- [AD] EP 0222285 A2 19870520 - HAHN FRITZ KG [DE]
- [AD] DE 3047518 A1 19820715 - HAHN FRITZ KG [DE]
- [A] US 3863480 A 19750204 - MESEROLE ROBERT H

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 0970763 A2 20000112; EP 0970763 A3 20010509; EP 0970763 B1 20030402;** AT E235973 T1 20030415; DE 19830401 C1 19991014; DE 59904810 D1 20030508; ES 2194404 T3 20031116; PT 970763 E 20030829

DOCDB simple family (application)

**EP 99112526 A 19990701;** AT 99112526 T 19990701; DE 19830401 A 19980708; DE 59904810 T 19990701; ES 99112526 T 19990701; PT 99112526 T 19990701