

Title (en)

METHOD AND DEVICE FOR MAKING A FLEXIBLE TUBE BODY

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG EINES FLEXIBLEN ROHRES

Title (fr)

METHODE ET DISPOSITIF POUR LA FABRICATION D'UNE CARCASSE DE TUBE FLEXIBLE

Publication

**EP 1049546 B1 20020327 (FR)**

Application

**EP 98962469 A 19981211**

Priority

- FR 9802702 W 19981211
- FR 9716036 A 19971217

Abstract (en)

[origin: US6378193B1] The invention concerns a method for the continuous production of a flexible tube body from two stapled wires (9, 10) individually bent in bending means (7, 8), three stitches, unsupported by a mandrel, and such that wires (9, 10) remain constantly in contact so as to optimize their resistance to external pressure. Bending means (7, 8) can be arranged with respect to each other without affecting the bending adjustment. The method consists in stapling the two spirals by elastically deforming the turns so that one crosses the other to cause the wires to overlap partially. The invention also concerns an equipment for producing a flexible tube body.

IPC 1-7

**B21C 37/12**; **F16L 11/16**

IPC 8 full level

**F16L 11/16** (2006.01); **B21C 37/12** (2006.01)

CPC (source: EP US)

**B21C 37/121** (2013.01 - EP US); **B21C 37/124** (2013.01 - EP US); **Y10T 29/49908** (2015.01 - EP US); **Y10T 29/49915** (2015.01 - EP US)

Cited by

CN104254724A

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)

**US 6378193 B1 20020430**; AT E214978 T1 20020415; AU 1763699 A 19990705; AU 753792 B2 20021031; BR 9813743 A 20001010; CA 2312818 A1 19990624; DE 69804510 D1 20020502; DK 1049546 T3 20020708; EP 1049546 A1 20001108; EP 1049546 B1 20020327; FR 2772293 A1 19990618; FR 2772293 B1 20000107; JP 2002508254 A 20020319; NO 20003140 D0 20000616; NO 20003140 L 20000616; WO 9930850 A1 19990624

DOCDB simple family (application)

**US 55596500 A 20000607**; AT 98962469 T 19981211; AU 1763699 A 19981211; BR 9813743 A 19981211; CA 2312818 A 19981211; DE 69804510 T 19981211; DK 98962469 T 19981211; EP 98962469 A 19981211; FR 9716036 A 19971217; FR 9802702 W 19981211; JP 2000538817 A 19981211; NO 20003140 A 20000616