

Title (en)

METHOD OF OBTAINING A CONTINUOUS MESH TUBE WHICH IS USED TO PRODUCE HIGH-STRENGTH BAGS AND TUBE THUS OBTAINED

Title (de)

VERFAHREN ZUM ERHALTEN EINES KONTINUIERLICHEN MASCHENSCHLAUCHES, DER ZUM HERSTELLEN VON HOCHFESTEN TASCHEN UND DERART ERHALTENEN SCHLÄUCHEN VERWENDET WIRD

Title (fr)

PROCEDE D'OBTENTION D'UN ELEMENT TUBULAIRE CONTINU EN MAILLE POUR LA FORMATION DE SACS TRES RESISTANTS ET ELEMENTS TUBULAIRES OBTENUS AU MOYEN DUDIT PROCEDE

Publication

EP 1602475 A1 20051207 (EN)

Application

EP 04713914 A 20040224

Priority

- ES 2004000081 W 20040224
- ES 200300478 A 20030227

Abstract (en)

Starting from, for example, a tubular element (2) made of flattened continuous plastic, with a fold or bellows (3), said tubular element (2) is split in half by means of cutting (4) forming two notably equal sheets (2-2') provided with tabs (5) bent inwards. In parallel with this, a tubular element of extruded mesh (6) is also subjected to cutting (8) along its mid plane, determining two half-tubes (6-6') having dihedral configuration and opposing concavities, which are introduced between the sheets (2-2') such that arranged in the peripheral areas (14) of the former are the proximities of the tabs (5) of the latter, these tabs (5) being then folded inwards and the assembly being subjected to a welding element (15) determining four robust welds (16) in each of which the edge of the extruded mesh is perfectly fixed between two layers of continuous plastic, so that the tubular element obtained, flat and with inner folds, provides a high degree of mechanical resistance against the inner stresses it must endure in a working situation. <IMAGE>

IPC 1-7

B31B 37/00; B65D 30/06; B65D 33/02

IPC 8 full level

B31B 37/00 (2006.01)

CPC (source: EP US)

B31B 70/00 (2017.07 - EP US); **B31B 2155/00** (2017.07 - EP); **B31B 2155/002** (2017.07 - EP); **B31B 2160/10** (2017.07 - EP); **B31B 2160/20** (2017.07 - EP)

Citation (search report)

See references of WO 2004076162A1

Cited by

CN106629201A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1602475 A1 20051207; ES 2246101 A1 20060201; ES 2246101 B1 20070316; WO 2004076162 A1 20040910

DOCDB simple family (application)

EP 04713914 A 20040224; ES 200300478 A 20030227; ES 2004000081 W 20040224