

Title (en)

Apparatus for making a link belt comprising a multiplicity of helical monofilament material coils.

Title (de)

Vorrichtung zur Herstellung eines Gliederbandes aus einer Vielzahl von Monofilwendelsträngen.

Title (fr)

Dispositif pour la fabrication d'une bande à chaînons composée d'une pluralité de spirales monofil.

Publication

EP 0054930 A1 19820630 (DE)

Application

EP 81110578 A 19811218

Priority

- DE 3048387 A 19801222
- DE 3107448 A 19810227
- DE 3109000 A 19810310

Abstract (en)

1. Apparatus for the manufacture of a link belt (5), for example for paper machines, consisting of a multiplicity of monofil helical strands (2, 3, 4) of an elastic material, preferably a thermofixing plastic, which strands are assembled successively and in mutual engagement transversely to their longitudinal extent, wherein a coupling wire (6) of plastic monofilament is pushed as joining means into the helices which have been fitted into each other, the last helix strand (3) fixed by the coupling wire (6) during fitting being fixed, at least in the fitting region of the helix strand (2) to be introduced, by filling the free space (8) of the penultimate helix strand (4), in such a way that yielding of the last helix strand (3) in the direction of the joining pressure is not possible, the apparatus comprising a working table (1), a winding-up device (44) for a link belt part already produced, an insertion device (18) for feeding the helix strand (2) to be fitted in and a device for feeding the coupling wire (6), characterised by a fixing wire (91) which extends parallel to the coupling wire (6) over the entire width of the link belt and which is introduced into the free space (8) of a helix strand (4) already fitted in, before the helix strand (2) to be fitted in is fitted in and, after the helix strand (2) has been fitted in and fixed by means of a coupling wire (6), is removed from the helix strand (4).

Abstract (de)

Es wird eine Fügeeinrichtung für die Schraubenwendeln eines Gliederbandes vorgeschlagen, wobei die einzelnen Schraubenwendeln durch Kupplungsdrähte miteinander verbunden sind, ein Einlegerwagen die einzulegenden Schraubenwendeln nahezu rechtwinklig zu der bereits eingelegten Schraubenwendel unter Druck zuführt und ein Fixierdraht vorgesehen wird, der eine Festlegung der Wendeln in Richtung des Fügedruckes ermöglicht.

IPC 1-7

D21F 1/00

IPC 8 full level

D21F 1/00 (2006.01)

CPC (source: EP)

D21F 1/0072 (2013.01)

Citation (search report)

- DE 3001472 B1 19800724 - HEILMANN OPTILON
- EP 0041685 A1 19811216 - EHVAK MASCHINEN GMBH [DE]

Cited by

US4750253A; EP2975176A1; CN105252795A; US10155339B2

Designated contracting state (EPC)

DE

DOCDB simple family (publication)

EP 0054930 A1 19820630; EP 0054930 B1 19840815; DE 3165594 D1 19840920

DOCDB simple family (application)

EP 81110578 A 19811218; DE 3165594 T 19811218