

Title (en)

METHOD AND DEVICE FOR CONNECTING THE ENDS OF TWO YARN ASSEMBLIES

Title (de)

VERFAHREN UND VORRICHTUNG ZUM VERBINDEN VON ZWEI FADENENDEN

Title (fr)

PROCEDE ET DISPOSITIF POUR RELIER LES EXTREMITES DE DEUX ASSEMBLAGES DE FILS

Publication

**EP 0570477 B1 19960508 (FR)**

Application

**EP 92905599 A 19920204**

Priority

- FR 9101417 A 19910206
- FR 9200097 W 19920204

Abstract (en)

[origin: WO9213790A1] Method and device (100) for connecting the ends of two assemblies (1A, 1B) of yarns (10A, 10B). The ends of the assemblies (1A, 1B) are untwisted to separate the yarns (10A1, 10B1) at these ends from each other. As many junction pairs (C) as there are yarns (10A1, 10B1) are formed in each of the assemblies (1A, 1B). The filaments of the yarns (10A1, 10B1) in the pairs (C) are untwisted and the untwisted parts in each pair (C) are placed side by side to give a junction zone (15). The filaments of the two yarns (10A1, 10B1) in each zone (15) are assembled together by entangling in air. All yarns (10A, 10B) thus joined are assembled together by twisting. Joined assemblies thus obtained and items such as tyre casings reinforced with these assemblies are also disclosed.

IPC 1-7

**B65H 69/06**

IPC 8 full level

**B65H 69/06** (2006.01)

CPC (source: EP)

**B65H 69/061** (2013.01); **D07B 7/167** (2013.01); **D07B 7/169** (2015.07); **B65H 2701/31** (2013.01)

Citation (examination)

US 3273330 A 19660920 - GONSALVES CONRAD J

Designated contracting state (EPC)

BE CH DE ES FR GB IT LI

DOCDB simple family (publication)

**WO 9213790 A1 19920820**; BR 9205590 A 19940726; CA 2099784 A1 19920807; CA 2099784 C 20030513; DE 69210587 D1 19960613; DE 69210587 T2 19960919; EP 0570477 A1 19931124; EP 0570477 B1 19960508; ES 2087526 T3 19960716; FR 2672278 A1 19920807; FR 2672278 B1 19950120; JP 3241377 B2 20011225; JP H06505222 A 19940616

DOCDB simple family (application)

**FR 9200097 W 19920204**; BR 9205590 A 19920204; CA 2099784 A 19920204; DE 69210587 T 19920204; EP 92905599 A 19920204; ES 92905599 T 19920204; FR 9101417 A 19910206; JP 50502492 A 19920204