

Title (en)

METHOD AND DEVICE FOR CONNECTING A PLURALITY OF THREADS, ESPECIALLY THE ENDS OF THREADS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR VERBINDUNG VON MEHREREN FÄDEN, INSBESONDERE VON FADENENDEN

Title (fr)

PROCEDE ET DISPOSITIF DE LIAISON DE PLUSIEURS FILS, EN PARTICULIER D'EXTREMITES DE FILS

Publication

EP 1453751 B1 20060802 (DE)

Application

EP 02782600 A 20021213

Priority

- CH 0200689 W 20021213
- CH 22752001 A 20011213

Abstract (en)

[origin: WO03053834A1] The aim of the invention is to enable a mechanical connection of threads (50, 51), especially the ends of threads, the connection of the threads being resistant to high mechanical loads. To this end, an auxiliary connection element is guided several times around adjacent threads, said element remaining on the threads (50, 51). In a preferred device for creating one such connection, the auxiliary connection element is wound around the threads (50, 51), in the form of coils, by means of an air flow.

IPC 8 full level

B65H 69/06 (2006.01); **D06H 5/00** (2006.01); **B65H 69/02** (2006.01); **D03J 1/16** (2006.01)

CPC (source: EP US)

B65H 69/068 (2013.01 - EP US); **D03J 1/16** (2013.01 - EP US); **B65H 2701/31** (2013.01 - EP US)

Cited by

DE102022104907B3

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 03053834 A1 20030703; AT E334926 T1 20060815; AU 2002347180 A1 20030709; CN 1325358 C 20070711; CN 1617824 A 20050518; DE 50207748 D1 20060914; EP 1453751 A1 20040908; EP 1453751 B1 20060802; ES 2269778 T3 20070401; JP 2005512920 A 20050512; PT 1453751 E 20061229; US 2005066645 A1 20050331

DOCDB simple family (application)

CH 0200689 W 20021213; AT 02782600 T 20021213; AU 2002347180 A 20021213; CN 02827753 A 20021213; DE 50207748 T 20021213; EP 02782600 A 20021213; ES 02782600 T 20021213; JP 2003554558 A 20021213; PT 02782600 T 20021213; US 86470704 A 20040610