

Title (en)

Method for splicing tows of filaments.

Title (de)

Verfahren zum Verbinden von Seilen aus Filamenten.

Title (fr)

Procédé de raccordement de câbles de filaments.

Publication

EP 0043710 A1 19820113 (EN)

Application

EP 81303034 A 19810703

Priority

US 16621780 A 19800707

Abstract (en)

A method for splicing the ends of a pair of tows of filaments to be fed in succession through a zone where tension is applied to stretch the filaments in the tows, wherein a work-absorbing adhesive is applied to a portion of the filaments in the end of one of the tows and this portion of the tow is positioned in contact with the other tow in an overlapping relationship to form an adhesive bond between the tows. The adhesive is applied along a length of the tow which is a distance, in centimeters, of at least about 25 times the stretch to be applied to the tows and the tows are overlapped such that this length of adhesive contacts both tows. The adhesive has work-absorbing characteristics such that the bond elongates sufficiently to prevent breakage of the bond or the filaments as the tows are passed through the stretch zone under sufficient tension to apply a 1.6X stretch to acrylic filaments having a denier per filament (dpf) of 3 and a breaking tenacity of about 2.5 grams per denier.

IPC 1-7

B65H 69/02

IPC 8 full level

B65H 69/02 (2006.01)

CPC (source: EP)

B65H 69/02 (2013.01); **B65H 2701/311** (2013.01); **B65H 2701/313** (2013.01)

Citation (search report)

- GB 1350074 A 19740418 - COURTRAULDS LTD
- US 3367813 A 19680206 - HOLFELD WINFRIED T
- GB 1250629 A 19711020

Cited by

US4600457A; EP1990303A1; WO2008135280A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0043710 A1 19820113

DOCDB simple family (application)

EP 81303034 A 19810703