

Title (en)

APPARATUS FOR APPLYING SOFT FILAMENTS TO CONTINUOUS ELONGATE ARTICLES

Title (de)

VORRICHTUNG ZUR ANWENDUNG VON WEICHEN FÄDEN BEI KONTINUIERLICHEM LÄNGLICHEM MATERIAL

Title (fr)

APPAREIL DESTINE A APPLIQUER DES FILAMENTS MOUS A DES ARTICLES ALLONGES CONTINUS

Publication

EP 1218278 A4 20040421 (EN)

Application

EP 99973989 A 19990830

Priority

US 9919800 W 19990830

Abstract (en)

[origin: CA2385138A1] A plurality of chambers (18A-18L) are provided on a filament applicator (10) , each of which defines a chamber axis substantially parallel to the machine axis (Am) and mounted on the frame (12) for rotation about the machine axis (Am). Each chamber (18A-18L) is substantially closed and has a panel (34) at an axial end of the chamber (18) which is movable between an open position for inserting and removing a wound package of filament material (28) within the chamber (18) and a closed position for substantially sealing the chamber (18) and preventing air turbulence within the chamber (18) upon rotation about the machine axis (Am). Each panel (34) has an opening (34a) through which the filamentary material (F) is fed in the winding operation.

IPC 1-7

B65H 81/00

IPC 8 full level

B65H 57/06 (2006.01); **B65H 81/00** (2006.01); **H01B 13/08** (2006.01)

CPC (source: KR)

B65H 81/00 (2013.01)

Citation (search report)

- [A] US 3667203 A 19720606 - KOSCHATZKY BRUNO, et al
- [A] US 2644029 A 19530630 - WILLIAM TRAVIS
- [A] US 4077828 A 19780307 - STROM TORSTEN ERIK THEODOR
- See references of WO 0116011A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

CA 2385138 A1 20010308; EP 1218278 A1 20020703; EP 1218278 A4 20040421; JP 2003516288 A 20030513; KR 20020075851 A 20021007

DOCDB simple family (application)

CA 2385138 A 19990830; EP 99973989 A 19990830; JP 2001519586 A 19990830; KR 20027002582 A 20020227