

Title (en)

Machine for automatically loading empty bobbins or support tubes, in particular for tape or filament of synthetic material of polypropylene, polyethylene or similar type for industrial use, into automatic winding units.

Title (de)

Maschine zum automatischen Aufsetzen von leeren Spulenhülsen in Spulmaschinen, insbesondere für Tape oder synthetisches Fadenmaterial wie Polypropylen, Polyäthylen oder ähnlichem zu industrieller Verwendung.

Title (fr)

Machine pour charger automatiquement des tubes de bobines vides sur un bobinoir, en particulier pour bande ou filament polypropylène, polyéthylène ou matériau synthétique d'usage industriel.

Publication

EP 0534272 A1 19930331 (EN)

Application

EP 92115707 A 19920914

Priority

IT MI912545 A 19910924

Abstract (en)

A machine (1) for automatically loading empty bobbins or support tubes (11), in particular for tape or filament (7) of synthetic material of polypropylene, polyethylene or similar type for industrial use, into automatic winding units (8) used in spinning plants, and from these latter unloading bobbins (12) already wound with said tape or filament (7) and arranged on rotating spindles (16), said machine comprising means (6) for gripping and cutting the filament or tape (7) travelling towards an already wound bobbin (12), movable means (10) for supporting at least one empty tube (11) and arranged to receive the wound bobbin (12) after its removal from the machine (1), and axially movable and rotating transfer means (15) arranged to cooperate with the wound bobbin (12) in such a manner as to extract it from the respective spindle (16) and to cooperate with the empty tube (11) in such a manner as to mount it on said spindle (16), stop means being provided to halt the movement of said spindle before its unloading.
<IMAGE>

IPC 1-7

B65H 54/71; **B65H 67/04**

IPC 8 full level

B65H 54/71 (2006.01); **B65H 67/04** (2006.01)

CPC (source: EP)

B65H 54/71 (2013.01); **B65H 67/0405** (2013.01); **B65H 2701/31** (2013.01)

Citation (search report)

- [X] DE 3336388 A1 19840419 - BARMAG BARMER MASCHF [DE]
- [A] EP 0310159 A1 19890405 - SAVIO SPA [IT]
- [A] EP 0026471 A1 19810408 - BARMAG BARMER MASCHF [DE]
- [A] EP 0096971 A2 19831228 - CELANESE CORP [US]
- [A] PATENT ABSTRACTS OF JAPAN vol. 11, no. 229 (C-436)(2676) 25 July 1987 & JP-A-62 41 328 (ASAHI CHEM IND CO LTD)

Cited by

CN106744036A; EP1174380A3; IT201900020054A1; GB2301120A; GB2301120B; CN114229618A

Designated contracting state (EPC)

CH DE GB IT LI

DOCDB simple family (publication)

EP 0534272 A1 19930331; **EP 0534272 B1 19951102**; DE 69205790 D1 19951207; DE 69205790 T2 19960515; IT 1251864 B 19950526; IT MI912545 A0 19910924; IT MI912545 A1 19930324

DOCDB simple family (application)

EP 92115707 A 19920914; DE 69205790 T 19920914; IT MI912545 A 19910924