

Title (en)

Machine for automatically loading empty bobbins or support tubes, particularly for continuous filament fibres of nylon, polyester and like type, in automatic winding machines.

Title (de)

Vorrichtung zum automatisierten Laden von leeren Spulenhülsen, insbesondere für Endlosfäden aus Nylon, Polyester oder dergleichen, in automatischen Wickelmaschinen.

Title (fr)

Machine pour charger automatiquement des tubes de bobines vides, en particulier pour des filaments de nylon, polyester ou equivalent, dans les bobinoirs automatiques.

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Application

EP 90120657 A 19901027

Priority

IT 2236489 A 19891113

Abstract (en)

A machine (1) for automatically loading empty bobbins or support tubes (K), particularly for continuous filament fibres of nylon, polyester and like type, onto mandrels (4) of automatic winding machines (5) in spinning plants, comprising a member acting as a reservoir (3) for a plurality of tubes (K) to be mounted on the mandrels (4) of the winding machine (5), said reservoir (3) having an internal structure (13) which separates the tubes (K) from each other and is rotatable about a shaft (15) of said reservoir, this latter being provided with at least one lower part (18) for supporting the loaded tubes (K) and provided with a discharge port (19), the opening and closure of which are controlled and through which said tubes (K) leave by gravity, these latter being received by a transfer unit (6) which is mobile at least along a first axis and can rotate about a second axis perpendicular to the first, said transfer unit (6) comprising transfer means (106, 114) which can be positioned in correspondence with the mandrels (4) of the winding machine (5), to then mount the tubes (K) onto these latter.

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CPC (source: EP)

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Cited by

CN106995160A; ITUA20162971A1; CN100418868C; EP2123584A1; WO2005019083A1; WO2017001297A1; WO2005023694A1; US6402078B1; US6663033B2

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