

Title (en)

PICKING ELEMENT FOR CARRYING OUT THE OPERATION OF BOBBIN DOFFING AND THE OPERATION OF INTRODUCTION OF THE EMPTY TUBE ON A SPINNING FRAME

Publication

**EP 0290063 B1 19921021 (EN)**

Application

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Priority

IT 2042787 A 19870508

Abstract (en)

[origin: EP0290063A1] The present invention relates to improvements in a picking element for carrying out the automatic doffing of the bobbins, and the corresponding replacement of the empty tubes on a textile machine, preferably a spinning frame. The bobbin gripping and tube gripping element (1) is made from a plastics material, as a monolithic part, and by means of a single high-pressure mould-casting operation. It extends downwards with two wings (12) having the shape of diametrically opposite circular sectors and forming a divergent funnel, for inviting and guiding the gripping of the outer portion, close to the top end, both of the tube filled with wound thread (the bobbin) at the end of the reeling step, and of the empty tube positioned on the spindle in place of the previously removed bobbin. Said bobbin and tube gripping element is fastened to the longitudinal support beam (4) by means of a safety element (3,14,16), which makes it possible the whole doffing device to be moved also in the presence of various kinds of interferences and hindrances.

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