

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.

Title (de)

Greifeinrichtung zum Abziehen einer Spule und zum Aufstecken einer Spulenhülse in einer Spinnmaschine.

Title (fr)

Dispositif de préhension pour l'enlèvement de bobine et pour la mise en place de la canette vide dans un métier à filer.

Publication

**EP 0290063 A1 19881109 (EN)**

Application

**EP 88200602 A 19880330**

Priority

IT 2042787 A 19870508

Abstract (en)

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.

IPC 1-7

**D01H 9/00**

IPC 8 full level

**D01H 9/00** (2006.01)

CPC (source: EP)

**D01H 9/001** (2013.01)

Citation (search report)

- [A] GB 2118523 A 19831102 - SCHUBERT & SALZER MASCHINEN
- [A] FR 2182870 A1 19731214 - NUOVA SAN GIORGIO SPA [IT]
- [A] FR 2466534 A1 19810410 - ALSACIENNE CONSTR MECA [FR]

Cited by

US5426930A; US5199254A; US5289674A; EP0515804A1; DE4117730A1

Designated contracting state (EPC)

BE CH DE ES FR GB GR LI

DOCDB simple family (publication)

**EP 0290063 A1 19881109; EP 0290063 B1 19921021**; DE 3875371 D1 19921126; DE 3875371 T2 19930408; ES 2036663 T3 19930601; GR 3006121 T3 19930621; IT 1205005 B 19890310; IT 8720427 A0 19870508

DOCDB simple family (application)

**EP 88200602 A 19880330**; DE 3875371 T 19880330; ES 88200602 T 19880330; GR 920402448 T 19921030; IT 2042787 A 19870508