

Title (en)

Method and apparatus for withdrawing an elongated element from a storage supply as well as a method for making the storage supply

Title (de)

Verfahren und Vorrichtung zum Ausziehen eines langgestreckten Elements aus einem Vorrat sowie Verfahren zum Herstellen eines Vorrats

Title (fr)

Procédé et dispositif pour extraire un élément allongé d'une réserve ainsi que procédé pour faire la réserve

Publication

EP 0931751 A3 20000426 (DE)

Application

EP 99400070 A 19990112

Priority

DE 19802903 A 19980127

Abstract (en)

[origin: EP0931751A2] The method involves extracting an elongated element (1) from a reserve (3) lying in windings (5), in direction of a winding axis. Guides are coupled to the reserve, which fix the element vertically to its longitudinal axis (11), whereby the element is turned in such way around its longitudinal axis, that it is torsion-free, and that the turn results in a first guide which follows the reserve directly. Independent claims are included for an extracting arrangement, and for a method for manufacturing the reserve.

IPC 1-7

B65H 75/36; **B65H 49/02**; **B65H 55/04**

IPC 8 full level

B65H 75/36 (2006.01)

CPC (source: EP)

B65H 75/362 (2013.01)

Citation (search report)

- [X] FR 2226349 A1 19741115 - HOESCH WERKE AG [DE]
- [X] FR 1176360 A 19590409 - GEOFFROY DELORE
- [X] GB 879210 A 19611004 - SMITH & SONS LTD S
- [X] FR 2306922 A1 19761105 - BEKAERT SA NV [BE]
- [X] EP 0296860 A1 19881228 - BRITISH TELECOMM [GB]
- [X] GB 2143870 A 19850220 - NAT STANDARD CO
- [A] DE 3932433 A1 19910411 - SIEMENS AG [DE]
- [X] PATENT ABSTRACTS OF JAPAN vol. 016, no. 214 (M - 1251) 20 May 1992 (1992-05-20)

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