

Title (en)

Device for reducing the tension of the thread in a spooler.

Title (de)

Vorrichtung zur Fadenspannungsverminderung in einer Spulvorrichtung.

Title (fr)

Dispositif pour la réduction de la tension du fil textile dans un bobinoir.

Publication

**EP 0475475 A1 19920318 (EN)**

Application

**EP 91202032 A 19910807**

Priority

IT 2132390 A 19900829

Abstract (en)

The present invention relates to a device for reducing the value of the unwinding tension in a spooler which is designed to wind thread at high speed, the said device comprising a movable element (1), which acts as an unwinding accelerator and which at the tip surrounds the axis of the cop and along the said axis descends and moves concentrically to place itself in a lower position corresponding to a reduced minimum quantity of wound thread on the end part of the unwinding cop. <IMAGE>

IPC 1-7

**B65H 57/22**; **B65H 59/06**; **B65H 63/08**

IPC 8 full level

**B65H 57/22** (2006.01); **B65H 59/06** (2006.01); **B65H 63/08** (2006.01)

CPC (source: EP)

**B65H 57/22** (2013.01); **B65H 59/06** (2013.01); **B65H 63/082** (2013.01); **B65H 2553/41** (2013.01); **B65H 2701/31** (2013.01)

Citation (search report)

- [Y] US 3011736 A 19611205 - STEFAN FURST, et al
- [X] EP 0225670 A1 19870616 - PICANOL NV [BE]
- [X] GB 839368 A 19600629 - REINERS WALTER
- [X] PATENT ABSTRACTS OF JAPAN, Vol. 10, No. 388 (M-549)[2445] 25 December 1986; & JP-A-61 178 373 (MURATA MACH LTD) 11 August 1986, the whole document.

Cited by

US5445334A; US5377923A

Designated contracting state (EPC)

CH DE FR GB LI

DOCDB simple family (publication)

**EP 0475475 A1 19920318**; IT 1242991 B 19940523; IT 9021323 A0 19900829; IT 9021323 A1 19920229

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