

Title (en)

Method and device for determining the zero position of a traversing yarn guide

Title (de)

Verfahren und Vorrichtung zum Bestimmen der Nullposition eines changierbaren Fadenführers

Title (fr)

Méthode et dispositif pour déterminer la position zéro d'un guide-fil traversant

Publication

EP 1684403 B1 20080227 (DE)

Application

EP 05027304 A 20051214

Priority

DE 102005002409 A 20050119

Abstract (en)

[origin: EP1684403A1] The method involves moving a yarn guide (25) in a direction of zero position by a step motor (34) and positioning yarn guide against a detent downstream of zero position at a slow speed. A rotor of the step motor is moved to two stop positions by switching off the step motor. The step motor is switched on by electric power to move the rotor to the specific stop position in which the yarn guide is in its zero position. An independent claim is also included for zero-position determining apparatus.

IPC 8 full level

H02K 37/04 (2006.01); **B65H 54/28** (2006.01); **H02K 37/10** (2006.01)

CPC (source: EP US)

B65H 54/2821 (2013.01 - EP US); **B65H 54/2833** (2013.01 - EP US); **B65H 54/2884** (2013.01 - EP US); **B65H 2701/31** (2013.01 - EP US)

Cited by

EP2105398A3; EP2765102A2

Designated contracting state (EPC)

CH CZ DE FR IT LI

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EP 1684403 A1 20060726; **EP 1684403 B1 20080227**; CN 1807719 A 20060726; CN 1807719 B 20120530; DE 102005002409 A1 20060727; DE 502005002988 D1 20080410; US 2006157609 A1 20060720; US 7378813 B2 20080527

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EP 05027304 A 20051214; CN 200610000597 A 20060111; DE 102005002409 A 20050119; DE 502005002988 T 20051214; US 32498506 A 20060103