

Title (en)

Energy storage means for a yarn guide of a textile machine for producing a cross-wound bobbin

Title (de)

Energiespeicher für einen Fingerfadenführer einer Kreuzspulen herstellenden Textilmaschine

Title (fr)

Accumulateur d'énergie pour un guide-fil d'une machine de textile pour la fabrication d'une bobine croisée

Publication

EP 1498378 B1 20081001 (DE)

Application

EP 04012953 A 20040602

Priority

DE 10332399 A 20030717

Abstract (en)

[origin: EP1498378A1] A bobbin winding assembly has a finger-guide traversing the width of the rotating cross-wound bobbin. On reaching the outer margin the finger (13) reverses direction. The finger moves under the influence near the point of reversal under the influence of two stationary permanent magnets (30, 31) that store potential energy prior to the reversal point and surrender potential after the reversal point. The magnets are arranged with like poles in close proximity to the motor shaft (39) left and right of the finger (13) movement arc. When the drive motor (14) is off the magnets return the finger guide to the mid-point. The two stationary permanent magnets and a permanent magnet moving with the finger all have the same radial distance from the swivel axis.

IPC 8 full level

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CPC (source: EP)

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EP 1498378 A1 20050119; **EP 1498378 B1 20081001**; CN 100537385 C 20090909; CN 1576217 A 20050209; DE 10332399 A1 20050203; DE 502004008140 D1 20081113; JP 2005035795 A 20050210

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