

Title (en)
Thread storing- and twist fixing element

Title (de)
Fadenspeicher- und Zwirnfixierungselement

Title (fr)
Élément de stockage de fil, et fixation de torsion de fil

Publication
EP 1149940 A3 20020807 (DE)

Application
EP 01109844 A 20010423

Priority
DE 10021158 A 20000429

Abstract (en)
[origin: EP1149940A2] The apparatus to hold and secure at least one yarn section at a spinning or twisting machine has a stationary clamping surface (2,3), and a moving clamping surface (4,5) as a clamping plate. Its length matches the length of yarn to be stored and fixed, and locks the yarn twist. The yarn store and fixing unit has clamping surfaces with a length of at least half the yarn length to be held, with a surface length of 35-40 mm. The floating clamping plate is moved magnetically against the static clamping surface, using a permanent magnet (6) near the static clamping surface. The moving clamping surface is of a magnetic material. The static clamping surface is formed by the facing angled surfaces of a block (1) with the shape of a gable end. The moving clamping surfaces move within the gable structure. Each moving clamping surface has a shoulder (4.1,5.1) aligned to the rear, with cut-in recesses (4.2,5.2) at a gap from their ends at the transit to the clamping plates, for suspension in a longitudinal and rectangular recess (10.1) at a mounting plate (10). The moving clamping plate is sprung against the fixed clamping plate.

IPC 1-7
D01H 13/08; **D01H 4/50**; **D01H 15/007**; **D01H 7/90**; **D01H 7/86**

IPC 8 full level
D02J 11/00 (2006.01); **B65H 57/02** (2006.01); **B65H 57/04** (2006.01); **D01H 4/50** (2006.01); **D01H 7/86** (2006.01); **D01H 7/90** (2006.01); **D01H 13/08** (2006.01); **D01H 15/00** (2006.01); **D01H 15/007** (2006.01)

CPC (source: EP US)
D01H 4/50 (2013.01 - EP US); **D01H 13/08** (2013.01 - EP US); **D01H 15/007** (2013.01 - EP US)

Citation (search report)
• [DA] DE 4114069 A1 19921105 - STAHLLECKER FRITZ [DE], et al
• [A] DE 3416803 A1 19841206 - ELITEX ZAVODY TEXTILNIHO [CS]
• [A] DE 2418590 A1 19751113 - ZINSER TEXTILMASCHINEN GMBH

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EP 1149940 A2 20011031; **EP 1149940 A3 20020807**; CN 1326020 A 20011212; CZ 20011460 A3 20011212; DE 10021158 A1 20011108; JP 2002004135 A 20020109; US 2001037640 A1 20011108

DOCDB simple family (application)
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