

Title (en)

Device for control the yarn tension of a yarn being drawn of a bobbin located on a bobbin holder for a leno selvage device

Title (de)

Vorrichtung zur Regulierung der Fadenspannung eines von einer Garnspule einer Garnspulenhaltung abgezogenen Fadens für eine Dreherkanteneinrichtung

Title (fr)

Dispositif pour le contrôle de la tension d'un fil étant tiré d'une bobine de fil positionnée sur un support de bobine pour un dispositif d'une lisière à pas de gaze

Publication

EP 1440929 B1 20060830 (DE)

Application

EP 03028793 A 20031213

Priority

DE 10302730 A 20030123

Abstract (en)

[origin: EP1440929A1] Yarn (6) for a twist selvage is supplied from a bobbin (5) that can rotate on a carrier against the restraint of a brake drum (1) with a hinged, adjustably spring-loaded brake shoe (14). The action of the brake is controlled by a flexible lever arm (20) that has an eyelet (21) at its end through which the yarn (6) is drawn off. The fulcrum (11) of the brake shoe housing is along a tangent (12) to the brake drum (1) drawn at the center line (13) of the brake shoe (14). The ratio of the lever action between lever arm (H2) and brake shoe (H1) is between 9 and 12 to 1. The diameter of the brake drum (1) is about three times that of a full bobbin (5).

IPC 8 full level

B65H 59/04 (2006.01); **D03D 47/44** (2006.01); **B65H 29/04** (2006.01); **D03C 7/00** (2006.01); **D03C 11/00** (2006.01); **D03D 49/04** (2006.01)

CPC (source: EP US)

B65H 59/04 (2013.01 - EP US); **D03C 7/00** (2013.01 - EP US)

Cited by

DE102020100857A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1440929 A1 20040728; **EP 1440929 B1 20060830**; AT E338003 T1 20060915; CN 100339285 C 20070926; CN 1517291 A 20040804; DE 10302730 A1 20040812; DE 50304842 D1 20061012; JP 2004225236 A 20040812; JP 4157046 B2 20080924; RU 2004101386 A 20050710; RU 2280005 C2 20060720; US 2004154680 A1 20040812; US 7040354 B2 20060509

DOCDB simple family (application)

EP 03028793 A 20031213; AT 03028793 T 20031213; CN 200410001054 A 20040116; DE 10302730 A 20030123; DE 50304842 T 20031213; JP 2004011955 A 20040120; RU 2004101386 A 20040121; US 75176304 A 20040105