

Title (en)

Method of controlling the feeding tension of at least one weft yarn, weft yarn feeding device and loom with such a weft yarn feeding device

Title (de)

Verfahren zum Steuern der Zuführspannung von wenigstens einem Schussfaden, Schussfadenzuführvorrichtung und Webmaschine mit einer solchen Schussfadenzuführvorrichtung

Title (fr)

Procédé de contrôle de la tension d'alimentation d'au moins un fil de trame, dispositif d'alimentation en fil de trame et métier à tisser équipé d'un tel dispositif

Publication

EP 1550751 B1 20120725 (FR)

Application

EP 04356206 A 20041223

Priority

FR 0315397 A 20031224

Abstract (en)

[origin: EP1550751A1] The monitoring procedure, for use on a loom on which the weft yarn is delivered by a feed drum (15) with an acceleration/ deceleration compensator (27), includes a stage in which a first electrical actuator (17) of the drum is controlled by a signal representing the functioning of a second electrical actuator (22) driving the mobile member (20, 21) of the compensator. The second actuator is in the form of an electric servomotor controlled to give a constant torque, and the angular position of the drum is controlled so that the yarn tension after the yarn feeder (16) and compensator meet a predetermined value.

IPC 8 full level

D03D 47/06 (2006.01); **D03D 47/27** (2006.01); **B65H 59/38** (2006.01)

CPC (source: EP KR)

B65H 59/388 (2013.01 - EP); **D03D 47/06** (2013.01 - EP); **D03D 47/27** (2013.01 - KR); **B65H 2701/31** (2013.01 - EP)

Cited by

CN106811856A; CN105332149A; CN105177834A; CN105177831A

Designated contracting state (EPC)

BE CH DE FR LI TR

DOCDB simple family (publication)

EP 1550751 A1 20050706; **EP 1550751 B1 20120725**; CN 1637185 A 20050713; CN 1637185 B 20100616; FR 2864555 A1 20050701; FR 2864555 B1 20060127; KR 101156593 B1 20120620; KR 20050065309 A 20050629

DOCDB simple family (application)

EP 04356206 A 20041223; CN 200410102877 A 20041224; FR 0315397 A 20031224; KR 20040104273 A 20041210