

Title (en)

Textile machine, standby position determining method of driven member of winding unit, and winding unit

Title (de)

Textilmaschine, Verfahren zur Bestimmung der Bereitschaftsstellung eines angetriebenen Elements einer Wickeleinheit sowie Wickeleinheit

Title (fr)

Machine textile, procédé permettant de déterminer la position d'attente d'élément entraîné d'unité d'enroulement et unité d'enroulement

Publication

EP 2671830 B1 20160406 (EN)

Application

EP 13170828 A 20130606

Priority

JP 2012130262 A 20120607

Abstract (en)

[origin: EP2671830A2] A stepping motor moves an upper-yarn catching member (30) by an amount corresponding to a specified number of pulses. A magnet sensor detects an origin position, which is a reference position, of the upper-yarn catching member (30). A number-of-pulse counting section obtains an actual measurement value, which is the number of pulses necessary for moving the upper-yarn catching member (30) from a target position to the origin position. A drive control section determines a standby position of the upper-yarn catching member (30) in view of the actual measurement number counted by the number-of-pulse counting section, a theoretical value, and the origin position.

IPC 8 full level

B65H 54/22 (2006.01); **B65H 63/00** (2006.01); **B65H 67/08** (2006.01)

CPC (source: EP)

B65H 67/085 (2013.01); **B65H 2701/31** (2013.01)

Citation (opposition)

Opponent : Saurer Germany GmbH & Co. KG

- EP 2096070 A2 20090902 - MURATA MACHINERY LTD [JP]
- DE 102006026548 A1 20071213 - OERLIKON TEXTILE GMBH & CO KG [DE]

Cited by

EP2738128A3; EP3517471A4; EP2990368A1; CN105383995A; EP4339146A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2671830 A2 20131211; **EP 2671830 A3 20140910**; **EP 2671830 B1 20160406**; CN 103482415 A 20140101; CN 103482415 B 20171110; JP 2013252948 A 20131219

DOCDB simple family (application)

EP 13170828 A 20130606; CN 201310157896 A 20130502; JP 2012130262 A 20120607