

Title (en)

A yarn length measuring device for a yarn winding device

Title (de)

Vorrichtung zum Messen der Fadenlänge für eine Fadenaufwickelvorrichtung

Title (fr)

Dispositif de mesure de la longueur de fil pour un dispositif de bobinage de fil

Publication

EP 1787935 A1 20070523 (EN)

Application

EP 06024153 A 20061121

Priority

JP 2005335376 A 20051121

Abstract (en)

The yarn length measuring device includes: a means (73) that detects a yarn layer peripheral surface movement distance #PLs of a yarn layer formed by the winding yarn (4) around a winding tube (6) ; a means (74) that detects a traverse movement distance #TLs of the yarn; and a winding length computing means (75) that inputs the yarn layer peripheral surface movement distance #PLs, and the traverse movement distance #TLs, detected by the traverse movement distance computing means (74), calculates a winding length of the yarn (4) wound around the winding bobbin (6, 7) at each time (Ts) from the #TLs and the ##PLs that have been input, and determines a winding length (YL) of the yarn (4) wound around the winding bobbin (6, 7) by summing up the winding lengths # YL calculated at each predetermined time (Ts).

IPC 8 full level

B65H 61/00 (2006.01); **B65H 63/08** (2006.01)

CPC (source: EP)

B65H 61/00 (2013.01); **B65H 63/08** (2013.01); **B65H 2701/31** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

DE IT

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1787935 A1 20070523; **EP 1787935 B1 20081231**; DE 602006004537 D1 20090212; JP 2007137615 A 20070607; JP 4162000 B2 20081008

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