Title (en)

YARN WINDING DEVICE AND ALARM THRESHOLD VALUE DETERMINATION METHOD FOR DETECTION OF ROTATIONAL FAULTS IN A PACKAGE

Title (de)

GARNWICKLUNGSVORRICHTUNG UND VERFAHREN ZUR ALARMSCHWELLENWERTBESTIMMUNG ZUR ERKENNUNG VON FEHLDREHUNGEN IN EINEM PAKET

Title (fr)

DISPOSITIF DE BOBINAGE DE FIL ET PROCÉDÉ DE DÉTERMINATION DE VALEUR SEUIL D'ALARME POUR LA DÉTECTION DE DÉFAUTS DE ROTATION DANS UN PAQUET

Publication

**EP 2433889 B1 20140129 (EN)**

Application

**EP 10777533 A 20100512**

Priority

• JP 2010003219 W 20100512
• JP 2009124663 A 20090522

Abstract (en)

[origin: EP2433889A1] A yarn winding device capable of automatically detecting an abnormal package rotation with a high accuracy is provided. An automatic winder includes a winding unit (16) and a machine control device (11). The winding unit (16) performs a yarn winding operation. The machine control device (11) controls the winding unit (16). The machine control device (11) includes a theoretical package calculation section (27) and a computation section (17). The theoretical package calculation section (27) calculates the theoretical number of package rotations. The computation section (17) determines an alarm threshold value for determining an abnormal package rotation, based on the theoretical number of package rotations. The alarm threshold value is inputted to the winding unit (16). An alarm determination section (76) included in the winding unit (16) compares the actual number of package rotations with the alarm threshold value, and performs an alarm determination.

IPC 8 full level

**B65H 63/00** (2006.01); **B65H 54/10** (2006.01); **B65H 54/42** (2006.01); **B65H 54/46** (2006.01)

CPC (source: EP)

**B65H 54/103** (2013.01); **B65H 54/42** (2013.01); **B65H 63/006** (2013.01); B65H 2511/30 (2013.01); B65H 2701/31 (2013.01)

Cited by

CN106335817A; EP3388564A1

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DOCDB simple family (publication)

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