

Title (en)

Yarn-unwinding sensor for storage yarn feeders with rotary drum

Title (de)

Garnabspulsensor für Garnvorratsvorrichtungen mit Drehtrommel

Title (fr)

Capteur de déroulement de fil pour les prédélivresseurs de stockage à tambour rotatif

Publication

**EP 2907908 B1 20160622 (EN)**

Application

**EP 14003877 A 20141118**

Priority

IT TO20140120 A 20140213

Abstract (en)

[origin: EP2907908A1] A yarn feeder is provided with a motorized, yarn-winding rotary drum (12) which is rotatable with respect to a motor-housing (16) and is adapted to have a plurality of yarn loops (Y) wound on itself, which are adapted to be unwound upon request from a downstream machine. A sensor comprises light-emitting means (42) and light-receiving means (44), at least one of which is to be fixed to the rotary drum (12), which operatively define a light connection passing through a detection area (30c) of the rotary drum (12) which is adapted to be repeatedly engaged by the yarn during its rotational unwinding movement. The unwinding of yarn from the rotary drum is determined on the basis of the variation of light resulting from the yarn (Y) transiting on the detection area (30c).

IPC 8 full level

**B65H 51/20** (2006.01); **B65H 51/22** (2006.01); **D04B 15/48** (2006.01)

CPC (source: EP)

**D04B 15/482** (2013.01); **D04B 15/486** (2013.01)

Cited by

CN112582129A; JP2020041251A; US11560657B2; US11352725B2; EP3620561B1; EP3620561A1

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