

Title (en)

SHEET MATERIAL DEPLETION DETECTION MECHANISM, ROLL, AND ROLL PRODUCTION METHOD

Title (de)

BLATTMATERIALENTLEERUNGSDETEKTIONSMECHANISMUS, ROLLE UND ROLLENHERSTELLUNGSVERFAHREN

Title (fr)

MÉCANISME DE DÉTECTION D'ÉPUISEMENT DE MATÉRIAU EN FEUILLE, ROULEAU ET PROCÉDÉ DE PRODUCTION DE ROULEAU

Publication

EP 3281898 A4 20190109 (EN)

Application

EP 16776606 A 20160407

Priority

- JP 2015080085 A 20150409
- JP 2016061351 W 20160407

Abstract (en)

[origin: EP3281898A1] Provided is a sheet material end detection mechanism including: a sheet material information part indicating information on a sheet material wound around a core member in which a through hole is formed; a reader configured to optically read the sheet material information part; and a detection unit configured to detect that the sheet material is used up, wherein the sheet material information part is formed to extend from a portion corresponding to the through hole at an end of the sheet material wound around the core member to a portion adjacent to the through hole on an inner surface of the core member, and the detection unit is configured to detect that the sheet material is present when a read signal of the sheet material information part read by the reader is received and that the sheet material is used up when the read signal disappears, during the operation of withdrawing the sheet material.

IPC 8 full level

B65B 41/00 (2006.01); **B65H 26/06** (2006.01)

CPC (source: EP KR US)

B65B 41/00 (2013.01 - EP US); **B65H 18/08** (2013.01 - KR); **B65H 26/06** (2013.01 - EP US); **B65H 26/063** (2013.01 - EP US); **B65H 26/066** (2013.01 - KR US); **B65H 75/10** (2013.01 - KR); **B65H 2301/5111** (2013.01 - KR); **B65H 2553/40** (2013.01 - KR); **B65H 2701/12422** (2013.01 - EP US)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 2016163440A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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