

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 3281899 A4 20190109 (EN)

Application
EP 16776607 A 20160407

Priority

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Abstract (en)
[origin: EP3281899A1] 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 light passing part 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 a forming part is attached to an outer surface of the core member and an inner surface of the sheet material, the sheet material information part is formed in a portion of the forming part corresponding to the light passing part, adhesive force between the sheet material and the forming part is larger than adhesive force between the core member and the forming part, 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
B65H 26/06 (2006.01); **B65B 41/00** (2006.01)

CPC (source: EP KR US)
B65B 41/00 (2013.01 - EP US); **B65B 41/10** (2013.01 - US); **B65H 18/08** (2013.01 - KR US); **B65H 26/063** (2013.01 - EP US); **B65H 26/066** (2013.01 - EP KR US); **B65H 75/10** (2013.01 - KR US); **B65H 2301/5111** (2013.01 - US); **B65H 2301/5161** (2013.01 - KR); **B65H 2553/40** (2013.01 - EP KR US)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 2016163441A1

Designated contracting state (EPC)
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