Title (en)
SKEW PREVENTION DEVICE FOR SLIT BAND PLATES

Title (de)
NEIGUNGSVERHINDERUNGSVORRICHTUNG FÜR SCHLITZBANDPLATTEN

Title (fr)
DISPOSITIF ANTI-DÉSALIGNEMENT POUR PLAQUES DE BANDE FENDUES

Publication
EP 2517800 B1 20140305 (EN)

Application
EP 10839613 A 20101220

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Abstract (en)
[origin: EP2517800A1] Slit strips can be stabilized at the central area of a conveyance line without damaging the edges of the strips or using a complex control system. In addition, even in an unsteady operation in which, for example, the tail end of the strip after the cutting process is passed, the strip can be passed in a stable state. An apparatus to prevent strip walking passes the slit strips S1 and S2 with a pinch roll. The pinch roll includes the lower roll 12 that supports the bottom surfaces of the slit strips and the upper rolls 11 that are separated from each other in a strip width direction. The upper rolls come into contact with the top surfaces of the slit strips and move the slit strips toward the line center by using the outside biased pinch or the inward skew angle. Portions of the slit strips around the line-center-side edges of the slit strips are nipped by the lower roll and the separated upper rolls or by the lower roll and a center roll 2 provided at a line center area near separation ends of the upper rolls that are separated from each other. The apparatus includes the center guide 1 that guides the line-center-side edges of the slit strips that are restrained by being nipped.

IPC 8 full level
B21B 39/14 (2006.01); **B21B 39/00** (2006.01); **B21B 39/08** (2006.01); **B21C 47/26** (2006.01)

CPC (source: EP KR)
B21B 39/00 (2013.01 - KR); **B21B 39/08** (2013.01 - KR); **B21B 39/14** (2013.01 - EP KR); **B21C 47/006** (2013.01 - EP); **B21C 47/26** (2013.01 - KR); B21B 2015/0021 (2013.01 - EP); B21B 2015/0057 (2013.01 - EP)

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