

Title (en)
Double sheet detector

Title (de)
Doppelbogenerkennung

Title (fr)
Détecteur de double feuille

Publication
EP 0556486 B1 19960306 (DE)

Application
EP 92122138 A 19921230

Priority
• CH 51092 A 19920219
• CH 210592 A 19920703

Abstract (en)
[origin: EP0556486A1] A device according to the invention is mounted above a support (30) on which printed products are conveyed in the form of an imbricated stream (31). With the aid of said device according to the invention, the surface of the imbricated stream is sensed at two measuring points (M.1 and M.2) at a distance from one another in the conveying direction. During this, according to the process according to the invention, the difference in level of the imbricated stream surface between the two measuring points is recorded as a measurement signal and used for detecting fault locations in the imbricated stream. This difference in level is high when a product edge is located between the two measuring points and small when the two measuring points are located on the same product. The difference in level is always independent of the thickness of the entire imbricated stream. The device according to the invention has, for example, two sensing rolls (11, 21) which roll on the imbricated stream surface, the first sensing roll (11) being fixed on a pivotably arranged arm (13), the second sensing roll (21) being fixed on a lever (23) which, for its part, is pivotably arranged on the arm (13) and the pivoting-out of the lever (23) being measured by means of sensors. <IMAGE>

IPC 1-7
B65H 7/02; B65H 5/24

IPC 8 full level
B41F 33/14 (2006.01); **B65B 35/00** (2006.01); **B65G 43/08** (2006.01); **B65H 5/24** (2006.01); **B65H 7/02** (2006.01); **B65H 7/04** (2006.01); **B65H 7/06** (2006.01); **B65H 7/08** (2006.01); **B65H 7/12** (2006.01); **B65H 7/14** (2006.01); **B65H 43/04** (2006.01)

CPC (source: EP US)
B65H 5/24 (2013.01 - EP US); **B65H 7/02** (2013.01 - EP US); **B65H 7/04** (2013.01 - EP US); **B65H 7/08** (2013.01 - EP US); **B65H 7/12** (2013.01 - EP US); **B65H 7/14** (2013.01 - EP US); **B65H 2511/20** (2013.01 - EP US); **B65H 2511/212** (2013.01 - EP US); **B65H 2511/514** (2013.01 - EP US); **B65H 2511/52** (2013.01 - EP US); **B65H 2511/524** (2013.01 - EP US); **B65H 2515/60** (2013.01 - EP US); **B65H 2553/41** (2013.01 - EP US); **B65H 2553/61** (2013.01 - EP US); **B65H 2701/1311** (2013.01 - EP US); **B65H 2701/1313** (2013.01 - EP US)

C-Set (source: EP US)
1. **B65H 2511/212 + B65H 2220/01 + B65H 2220/11**
2. **B65H 2511/52 + B65H 2220/03**
3. **B65H 2515/60 + B65H 2220/01**
4. **B65H 2701/1311 + B65H 2220/01**
5. **B65H 2701/1313 + B65H 2220/02**
6. **B65H 2511/212 + B65H 2220/01**
7. **B65H 2511/524 + B65H 2220/03**
8. **B65H 2511/20 + B65H 2220/03**

Citation (examination)
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Cited by
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