

Title (en)

Paper sheet conveying device and automatic cash handling apparatus

Title (de)

Transportvorrichtung für Blattmaterial und automatische Bargeldverarbeitungsmaschine

Title (fr)

Dispositif pour le transport de feuilles de papier et appareil automatique pour le traitement de billets de banque

Publication

**EP 0535543 B1 19960327 (EN)**

Application

**EP 92116402 A 19920924**

Priority

JP 25175791 A 19910930

Abstract (en)

[origin: EP0535543A2] A paper sheet conveying device (1, 10, 20, 30) has at least one pair of endless belts (1a, 1b; 11a, 11b; 21a, 21b; 31a, 31c; 103a, 103b) and at least two pulleys (2a, 2b; 2c, 2d; 12a through 12c; 12d through 12e; 22a through 22c, 22d through 22f; 32a through 32c, 32f through 32g; 104a, 104d; 104b, 104e) around which each of the endless belts extends. The at least one pair of endless belts have runs which oppose each other and which normally move in contact with each other. The runs of the belts hold and convey a paper sheet therebetween. In a preferred embodiment, the one pulley (2a; 12d; 104b; 104d) of the one endless belt is supported in a floating state. The one belt is elastically biased toward the other endless belt by a spring (5). The one pulley is displaceable away from the run of the other belt when the at least one of the at least one pair of endless belts is subjected to a force from paper sheets being conveyed. In another embodiment, the one endless belt (11b, 21a, 31a) is made of an elastic material whose elasticity is used to elastically bias the run of the one belt toward the other belt (11a, 21b, 31c). <IMAGE>

IPC 1-7

**G07D 13/00; B65H 5/02**

IPC 8 full level

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CPC (source: EP)

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Cited by

US6315194B1; EP0712729A3; EP1369362A4; EP0778234A1; NL1001828C2; US6073837A; EP0837431A3; US7121459B2; US6308820B1;  
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