

Title (en)
Device for aligning flat mail objects

Title (de)
Vorrichtung zum Ausrichten von flachen Sendungen

Title (fr)
Dispositif pour aligner des objets postaux plats

Publication
EP 0775657 A3 19971105 (DE)

Application
EP 96112616 A 19960805

Priority
DE 19528829 A 19950805

Abstract (en)
[origin: DE19528829A1] The aligner comprises a base belt (1) and a cover belt (2). The letters (3) are moved standing on one edge. The cover belt in normal operation has a nominal speed of VN. There is a pair of rollers (5,6) with a common rotary axis (7) vertical to the belt's conveying direction. As the letter is covered only from behind by the cover belt, the rollers can locate on it in with a frictional engagement. As soon as a letter is secured by the rollers, a torque is exerted on it to alter its position in relation to the conveyor system. For this purpose, one of the rollers rotates with a nominal speed (VN), whilst the second roller has a different speed (V). The difference between the two speeds leads to the formation of a torque on the letter so that its position can be corrected where necessary.

IPC 1-7
B65H 9/00

IPC 8 full level
B07C 1/06 (2006.01); **B65H 9/16** (2006.01)

CPC (source: EP)
B07C 1/06 (2013.01)

Citation (search report)

- [XY] DE 1817472 U 19600825 - TELEFUNKEN GMBH [DE]
- [YA] EP 0431267 A1 19910612 - LANDIS & GYR BETRIEBS AG [CH]
- [YA] US 4836527 A 19890606 - WONG LAM F [US]

Cited by
US7777148B2; DE102012206784A1; US8020863B2; WO2017000651A1

Designated contracting state (EPC)
DE FR GB IT NL

DOCDB simple family (publication)
DE 19528829 A1 19970206; DE 19528829 C2 19980430; DE 59606997 D1 20010705; EP 0775657 A2 19970528; EP 0775657 A3 19971105; EP 0775657 B1 20010530

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