

Title (en)

SWITCH POINT FOR FLAT, FLEXIBLE POSTAL ARTICLES IN SORTING MACHINES

Title (de)

WEICH FÜR FLACHE, FLEXIBLE SENDUNGEN IN SENDUNGSSORTIERMASCHINEN

Title (fr)

DISPOSITIF D'AIGUILLAGE POUR OBJETS DE CORRESPONDANCE PLATS ET SOUPLES DANS LES MACHINES A TRIER

Publication

EP 1133444 B1 20020703 (DE)

Application

EP 99970980 A 19991001

Priority

- DE 9903167 W 19991001
- DE 19849748 A 19981028

Abstract (en)

[origin: DE19849748A1] The invention relates to a switch point for flat, flexible postal articles in a sorting machine, whereby the postal articles are conveyed in a squeezed manner between two conveyor belts. According to the invention, the deflection element is comprised of two rigid partial deflecting elements (1, 2) which are adjacent in a direction of conveyance, which are interconnected in a fixed manner outside the path of the mail and which have a common pivotal axis (3). The common pivotal axis (3) is situated outside of the conveyor belts (4, 5), said belts continuing while diverging from one another in the switch point area, in the front part of the switch point area with regard to the direction of conveyance. According to the position of the switch point, the corresponding postal article is guided in the selected direction between one of both partial deflecting elements (1, 2) and the respective outer conveyor belts (4, 5), whereby the other partial deflecting element (1, 2) is situated completely outside of the conveyor belts (4, 5) which diverge from one another in the switch point area.

IPC 1-7

B65H 29/58; **B07C 3/06**

IPC 8 full level

B07C 3/06 (2006.01); **B65H 5/02** (2006.01); **B65H 5/36** (2006.01); **B65H 29/58** (2006.01); **B65H 29/60** (2006.01)

CPC (source: EP US)

B65H 29/58 (2013.01 - EP US); **B65H 2301/321** (2013.01 - EP US); **B65H 2404/261** (2013.01 - EP US); **B65H 2701/1916** (2013.01 - EP US)

Cited by

DE102007047308B4; WO2010012673A3; DE102010035472A1; US8827065B2; DE102007047308A1; WO2010012673A2; DE102008035072A1; US8069968B2

Designated contracting state (EPC)

BE DE FR GB IT

DOCDB simple family (publication)

DE 19849748 A1 20000504; DE 59901974 D1 20020808; EP 1133444 A1 20010919; EP 1133444 B1 20020703; JP 2002528357 A 20020903; US 6533271 B1 20030318; WO 0024661 A1 20000504

DOCDB simple family (application)

DE 19849748 A 19981028; DE 59901974 T 19991001; DE 9903167 W 19991001; EP 99970980 A 19991001; JP 2000578237 A 19991001; US 83048301 A 20010427