

Title (en)

Method and apparatus for changing the direction of motion of flat articles.

Title (de)

Verfahren und Vorrichtung zum Ändern der Bewegungsrichtung von flachen Gegenständen.

Title (fr)

Procédé et dispositif pour changer la direction du mouvement d'articles plats.

Publication

**EP 0484177 B1 19950809 (EN)**

Application

**EP 91310129 A 19911101**

Priority

US 60851290 A 19901102

Abstract (en)

[origin: EP0484177A1] An apparatus and method changes the direction of motion of flat articles being conveyed along a first path to a second path. The apparatus comprises a deck (12) mounted on a frame. The deck has a first side for receiving an article from a first direction and a second side for conveying the article in a second direction which forms an acute angle equal to or less than forty-five degrees (45 DEG ) with the first direction. There is means (20, 48) for conveying the article over the deck in the second direction. The conveying structure engages a leading edge of the article only after the article has been disengaged by a conveying arrangement in the first direction. There is a registration wall (80) positioned downstream from the second direction conveying structure adjacent a third side of the deck. The registration wall extends in a third direction whereby the registration wall is at a right angle to the first direction, wherein the leading edge of the article is driven against the registration wall after the article has been disengaged by the second direction conveying structure. Conveying means (82) move the article in the third direction after the article has encountered the registration wall. <IMAGE>

IPC 1-7

**B65H 29/58**; **B07C 1/18**

IPC 8 full level

**B07C 1/18** (2006.01); **B65H 29/58** (2006.01)

CPC (source: EP)

**B07C 1/18** (2013.01); **B65H 29/58** (2013.01); **B65H 2301/34112** (2013.01)

Cited by

GB2258458A; CN111545469A; US6406014B1; WO9614259A3

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 0484177 A1 19920506**; **EP 0484177 B1 19950809**; CA 2054515 A1 19920503; CA 2054515 C 20020319; DE 69111976 D1 19950914; DE 69111976 T2 19960411

DOCDB simple family (application)

**EP 91310129 A 19911101**; CA 2054515 A 19911030; DE 69111976 T 19911101