

Title (en)

Method of operating document feeding mechanism to detect and recover from a multi-feed condition and an apparatus therefor

Title (de)

Verfahren zum Betrieb eines dokumentenzuführenden Mechanismus zum Erkennen und Beheben von Doppelbögen und Vorrichtung dafür

Title (fr)

Procédé pour le fonctionnement d'un mécanisme d'introduction de documents pour détecter et réparer une condition d'alimentation multiple et appareil correspondant

Publication

EP 1995196 A2 20081126 (EN)

Application

EP 08251381 A 20080409

Priority

US 80578007 A 20070524

Abstract (en)

A method is provided of operating a document feeding mechanism having a document feed path which extends through a nip defined between an advance roller (32) disposed on one side of a document feed path and a retard roller (36) disposed on an opposite side of the document feed path. The method comprises detecting a multi-feed condition in which a first document (60) and a second document (62) overlapping the first document have been fed through the nip from an upstream end of the document feed path to a downstream end of the document feed path, and controlling operation of the advance roller (32) and the retard roller (36) such that the second document (62) is driven backwards through the nip to allow the first document (60) to be fed through the nip by itself in a non-overlapping manner without any human intervention.

IPC 8 full level

B65H 7/06 (2006.01); **B65H 5/06** (2006.01); **B65H 7/12** (2006.01)

CPC (source: EP US)

B65H 5/062 (2013.01 - EP US); **B65H 7/06** (2013.01 - EP US); **B65H 7/12** (2013.01 - EP US); **B65H 2301/44514** (2013.01 - EP US); **B65H 2511/524** (2013.01 - EP US); **B65H 2513/41** (2013.01 - EP US); **B65H 2513/412** (2013.01 - EP US); **B65H 2513/512** (2013.01 - EP US); **B65H 2553/30** (2013.01 - EP US); **B65H 2701/1912** (2013.01 - EP US)

Cited by

EP2719646A3

Designated contracting state (EPC)

DE ES FR GB HU IT

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 1995196 A2 20081126; **EP 1995196 A3 20110105**; **EP 1995196 B1 20130102**; US 2008290584 A1 20081127

DOCDB simple family (application)

EP 08251381 A 20080409; US 80578007 A 20070524