

Title (en)

Sheet feeding apparatus with lateral registration

Title (de)

Blattzuführapparat mit seitlicher Ausrichtung

Title (fr)

Appareil pour transport de feuilles avec alignement latéral de feuilles

Publication

**EP 0532343 B1 19970102 (EN)**

Application

**EP 92308288 A 19920911**

Priority

GB 9119488 A 19910911

Abstract (en)

[origin: EP0532343A1] Sheet feeding apparatus including feed rollers (41, 42) for feeding sheets (50) in a process direction and registration means (52, 53) for registering each sheet in a direction laterally of the process direction. The registration means comprises shifting means (53) for laterally shifting a carriage (52) on which the feed rollers are mounted. A sensor (57) is arranged to provide a signal on detecting the presence of a sheet, and control means controls the lateral shifting means in response to the signal. The control means is arranged such that if the sheet (50) is not detected by the sensor (57) on initial entry of the sheet into the feed rollers the shifting means (53) is activated to move the feed rollers laterally towards the sensor until the sheet is detected by the sensor whereupon said lateral movement is stopped, or if the sheet is detected on initial entry of the sheet into the feeding means the shifting means is first activated to move the feed rollers laterally away from the sensor until the sensor no longer detects the sheet and is then activated to move the feed rollers back towards the sensor until the sheet is again detected by the sensor.

<IMAGE>

IPC 1-7

**B41J 13/30**; **B65H 9/10**

IPC 8 full level

**B65H 9/00** (2006.01); **B41J 13/30** (2006.01); **B65H 7/10** (2006.01); **B65H 9/10** (2006.01); **B65H 11/00** (2006.01); **B65H 23/038** (2006.01); **B65H 23/32** (2006.01); **B65H 29/58** (2006.01); **G03G 15/00** (2006.01)

CPC (source: EP)

**B41J 13/30** (2013.01); **B65H 7/10** (2013.01); **B65H 9/10** (2013.01); **B65H 2404/1424** (2013.01); **B65H 2511/20** (2013.01); **B65H 2511/24** (2013.01); **B65H 2511/51** (2013.01); **B65H 2511/515** (2013.01)

C-Set (source: EP)

1. **B65H 2511/20** + **B65H 2220/02** + **B65H 2220/11**
2. **B65H 2511/51** + **B65H 2220/01**
3. **B65H 2511/515** + **B65H 2220/01**
4. **B65H 2511/24** + **B65H 2220/03**

Citation (examination)

EP 0378005 A1 19900718 - XEROX CORP [US]

Cited by

EP0752310A3; EP1882594A1; CN107720354A; EP0708046A1; US5718057A; US8205878B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 0532343 A1 19930317**; **EP 0532343 B1 19970102**; DE 69216332 D1 19970213; DE 69216332 T2 19970710; GB 9119488 D0 19911023; JP H05286609 A 19931102

DOCDB simple family (application)

**EP 92308288 A 19920911**; DE 69216332 T 19920911; GB 9119488 A 19910911; JP 24148192 A 19920910