

Title (en)

Device for the side registration of sheets in a printing machine.

Title (de)

Vorrichtung zum seitlichen Ausrichten von Bogen an einer Druckmaschine.

Title (fr)

Dispositif d'alignement latéral de feuilles pour une machine à imprimer.

Publication

EP 0082260 A1 19830629 (DE)

Application

EP 82109372 A 19821009

Priority

DE 3150169 A 19811218

Abstract (en)

[origin: US4533134A] A device for registering a sheet with a side stop at either one of the opposite lateral edges of a feed table in a printing press. The device includes a housing having a top surface which is flush with the feed table. A suction head is flushly recessed in the surface of the housing and mounted in a slide in the housing for limited reciprocating movement. The housing is shiftable between alternative working positions at the respective lateral edges of the feed table. For driving the suction head timed with the arrival of a sheet, a drive shaft is provided in the housing having a pair of face type cams spaced axially from one another cooperating with a cam follower which is secured to the suction head in a position between the cams. Springs are provided for biasing the suction head in opposite directions. A shiftable yoke selectively engages the springs with the suction head so that the cam follower engages a selected one of the cams. A rotary valve on the drive shaft applies suction to the head timed with the movement of the head toward the adjacent side stop. The cams are in mirror image, that is, 180 DEG out of phase, so that the sheet moves into contact with one of the side guides, with application of suction, timed with the feeding of the sheet on the feed table regardless of which side stop is being employed. In a modified form of the invention application of suction to the sheet is followed by a puff of compressed air.

Abstract (de)

Die Vorrichtung zum seitlichen Ausrichten besteht aus einem Saugschieber (8), der auf einem Saugerschlitten (7) kurvengetrieben hin- und herbewegbar ist. Der Unterdruck ist entsprechend der Folge der auszurichtenden Bogen durch ein Steuerventil gesteuert. Zwecks Verwendung dieser Vorrichtung wahlweise zum beidseitigem Ausrichten sind zwei Steuerkurven (4, 5) vorgesehen, die wahlweise zur Wirkung gebracht werden können.

IPC 1-7

B65H 9/10

IPC 8 full level

B41F 21/14 (2006.01); **B65H 9/00** (2006.01); **B65H 9/10** (2006.01)

CPC (source: EP US)

B65H 9/105 (2013.01 - EP US)

Citation (search report)

- [A] US 3860233 A 19750114 - WIASE HARRY
- [A] DE 617605 C 19350822 - ALFRED WINKLER, et al

Cited by

EP1743858A3; CN112590378A

Designated contracting state (EPC)

AT CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0082260 A1 19830629; EP 0082260 B1 19860115; AT E17464 T1 19860215; DE 3150169 A1 19830707; DE 3268580 D1 19860227; JP S58145451 A 19830830; US 4533134 A 19850806

DOCDB simple family (application)

EP 82109372 A 19821009; AT 82109372 T 19821009; DE 3150169 A 19811218; DE 3268580 T 19821009; JP 21934782 A 19821216; US 46687883 A 19830216