

Title (en)
DEVICE FOR ADDRESSING NEWSPAPERS, PERIODICALS AND LIKE PRINTED PRODUCTS

Publication
EP 0096228 A3 19850327 (DE)

Application
EP 83104526 A 19830507

Priority
CH 334882 A 19820601

Abstract (en)
[origin: US4538161A] A conveying device directs printed products past a stationarily arranged ink jet printer. A control system initiates a printing operation by the printer each time a printed product passes through the effective printing zone or region of the printer. The conveying device comprises an individual conveyor equipped with gripper units arranged in spaced relationship from each other, each of which is structured to take-up or engage one printed product. The control system includes a pulse generator driven by the individual conveyor and transmits a control pulse for each one of the gripper units. The control pulse is suppressed by a monitor responsive to empty gripper units. Since the printed products are conveyed by the gripper units, their reference position relative to the conveying device is defined over the entire product conveying path. The control signal initiating the printing operation thus can be utilized for initiating other operations after passing through a delay element.

IPC 1-7
B41L 45/06

IPC 8 full level
B41L 45/06 (2006.01); **B41L 47/56** (2006.01)

CPC (source: EP US)
B41L 47/56 (2013.01 - EP US); **B65H 29/003** (2013.01 - EP US); **B65H 2301/5111** (2013.01 - EP US)

Citation (search report)
• [A] US 4283731 A 19810811 - BOK DENNIS E, et al
• [A] EP 0088630 A2 19830914 - KIWI CODERS CORP [US]

Cited by
EP0709218A1; EP0709326A1; EP1780157A1; EP0878317A1; EP0417620A1; EP0346577A1; US4983990A; US5596932A; US9801545B2; US9625413B2; US10039881B2; US7854426B2; US9610034B2; US9750439B2; US10349874B2; US10201301B2; US10478108B2; KR101230276B1; US9743863B2; US9962091B2; US10750952B2; US10231654B2; US10952652B2; US11103165B2; US11272867B2; US11363975B2; US11399748B2; US11911151B1

Designated contracting state (EPC)
AT BE CH DE IT LI NL SE

DOCDB simple family (publication)
EP 0096228 A2 19831221; **EP 0096228 A3 19850327**; **EP 0096228 B1 19860910**; AT E22041 T1 19860915; CA 1204019 A 19860506; DE 3366004 D1 19861016; DK 159489 B 19901022; DK 159489 C 19910325; DK 244483 A 19831202; DK 244483 D0 19830531; FI 78418 B 19890428; FI 78418 C 19890810; FI 831906 A0 19830527; FI 831906 L 19831202; NO 154041 B 19860401; NO 154041 C 19860709; NO 831961 L 19831202; US 4538161 A 19850827

DOCDB simple family (application)
EP 83104526 A 19830507; AT 83104526 T 19830507; CA 428645 A 19830520; DE 3366004 T 19830507; DK 244483 A 19830531; FI 831906 A 19830527; NO 831961 A 19830531; US 49714183 A 19830523