

Title (en)

MONITORING DEVICE FOR THE SUPPLY OF OVERLAPPING SHEETS TO A PRINTING PRESS

Publication

EP 0242622 B1 19901003 (DE)

Application

EP 87104393 A 19870325

Priority

DE 3613969 A 19860424

Abstract (en)

[origin: US4753433A] Device for monitoring imbricated sheets stream fed to a printing machine, including a scanning roller rotatably mounted on a carrier above a base of imbricatedly arranged sheets, the carrier being adjustable by a servomotor so that the scanning roller rotates only when a given number of sheets are arranged on top of one another, a sensor cooperatively associated with the scanning roller, and an intermediate roller movable transversely with respect to its axis and substantially perpendicularly to the plane of the sheets, the intermediate roller being disposed between the scanning roller and the base, comprising a device for measuring the distance of at least one of the scanning roller and the intermediate roller to the base of the overlapped sheets, a control unit coupled with the sensor, the servomotor and the measuring device and a device for producing a signal characteristic of an angle of rotation of the printing machine, the signal being fed to the control unit, the control unit having a device for monitoring the imbricated sheet structure, the scanning roller being mounted so that its rotation is unlimited, and the sensor having a device for detecting all rotational movements of the scanning roller.

IPC 1-7

B65H 7/12

IPC 8 full level

B65H 5/24 (2006.01); **B65H 7/06** (2006.01); **B65H 7/12** (2006.01); **B65H 7/20** (2006.01)

CPC (source: EP US)

B65H 5/24 (2013.01 - EP US); **B65H 7/06** (2013.01 - EP US); **B65H 7/20** (2013.01 - EP US); **B65H 11/00** (2013.01 - EP US); **B65H 2301/541** (2013.01 - EP US); **B65H 2511/11** (2013.01 - EP US); **B65H 2511/13** (2013.01 - EP US); **B65H 2511/212** (2013.01 - EP US); **B65H 2511/22** (2013.01 - EP US); **B65H 2511/514** (2013.01 - EP US); **B65H 2511/52** (2013.01 - EP US); **B65H 2511/522** (2013.01 - EP US); **B65H 2511/524** (2013.01 - EP US); **B65H 2701/1311** (2013.01 - EP US); **B65H 2701/1313** (2013.01 - EP US); **B65H 2801/21** (2013.01 - EP US)

Cited by

DE10033638A1; EP1724220A3; DE4210958A1; US5356130A; DE4318220C3; US6561509B2

Designated contracting state (EPC)

CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0242622 A1 19871028; **EP 0242622 B1 19901003**; CA 1283427 C 19910423; DE 3613969 A1 19871029; DE 3613969 C2 19891005; DE 3765287 D1 19901108; JP S62269833 A 19871124; US 4753433 A 19880628

DOCDB simple family (application)

EP 87104393 A 19870325; CA 531277 A 19870305; DE 3613969 A 19860424; DE 3765287 T 19870325; JP 10017987 A 19870424; US 4057487 A 19870417