

Title (en)
SHEET FEEDER AND LAYER

Publication
EP 0261354 B1 19891220 (DE)

Application
EP 87111137 A 19870801

Priority
CH 383086 A 19860924

Abstract (en)
[origin: US4836528A] Successive sheets are drawn from a magazine by a gripper which is movably mounted on a drum-shaped rotary conveyor and serves to transfer successive sheets into a gathering machine. The position of the gripper with reference to the conveyor is indicative of the thickness of the sheet or sheets which are transported from the magazine, and such position is ascertained by a monitoring device in cooperation with an input element which is movable with the gripper. The input element can constitute a soft iron core which extends into a coil of an oscillatory circuit constituting the monitoring device, a plate which extends between the plates of a capacitor forming part of the monitoring device, or an arm for a disc bearing encoded information which is monitored by a photoelectronic transducer. The monitoring device transmits signals to a circuit which is adjacent the path of movement of the gripper and includes the transducer or a winding cooperating with a winding of the oscillatory circuit. Signals from the winding or from the transducer are processed by an evaluating circuit and are used to regulate the speed of the conveyor.

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B65H 3/08; **B65H 3/24**; **B65H 7/12**

IPC 8 full level
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CPC (source: EP US)
B65H 3/0875 (2013.01 - EP US); **B65H 7/12** (2013.01 - EP US)

Cited by
DE3936563A1; DE102009004688A1; EP1883536A4; EP0414623A1; GB2203413B; US8610441B2; US8472025B2

Designated contracting state (EPC)
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