

Title (en)

SHEET FEEDER FOR PAPER-PROCESSING MACHINES INCLUDING A SEPARATING DEVICE ADJUSTABLE TO DIFFERENT SHEET THICKNESSES

Publication

**EP 0157343 A3 19870506 (DE)**

Application

**EP 85103585 A 19850326**

Priority

DE 3412574 A 19840404

Abstract (en)

[origin: US4603848A] A sheet separator for a sheet feeder comprises a friction cylinder which is rotatable for feeding a sheet from a stack of sheets. A retaining member is mounted for radial movement with respect to the friction cylinder. The retaining member has a friction surface which holds back other sheets in the stack and which forms with the friction cylinder a passage gap which is adjusted to the thickness of a sheet to be fed. A carrier is connected to and supports the retaining member. An adjustment mechanism is provided between the carrier and the retaining member for adjusting the passage gap width. A bracket is mounted for radial movement on the carrier and has a contact surface for engaging the friction cylinder or a sheet held in the passage gap. Signal switch is provided in the bracket and is activated by a checking element which is movably mounted to the bracket and engaged with either the carrier or the retaining member. The switch changes state when a selected relative position is established between the retaining member and the contact surface of the bracket. A circuit is connected to the switch for indicating its change in state. The selected position is chosen for establishing the correct passage gap for a sheet of paper to be fed.

IPC 1-7

**B65H 3/52**; **B65H 7/12**

IPC 8 full level

**B65H 3/52** (2006.01); **B65H 7/12** (2006.01)

CPC (source: EP US)

**B65H 3/5238** (2013.01 - EP US); **B65H 7/12** (2013.01 - EP US); **B65H 2511/224** (2013.01 - EP US)

Citation (search report)

[A] DE 3112418 A1 19821007 - TMF SCHWENNINGEN GMBH E HALLER [DE]

Cited by

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