

Title (en)

Apparatus for singling out test and mackled samples in a printing machine.

Title (de)

Vorrichtung zum Ausscheiden von Probe- und Makulaturexemplaren in einer Druckmaschine.

Title (fr)

Dispositif pour séparer des épreuves et des exemplaires de rebut dans une machine à imprimer.

Publication

**EP 0020966 A1 19810107 (DE)**

Application

**EP 80102550 A 19800509**

Priority

DE 2924819 A 19790620

Abstract (en)

1. Device for singling out test- and mackled samples from a cylinder by means of separators disposed on a swivellable spindle, which separators strip off the printed copies from the cylinder in the engaged state, whereby coupling means are provided by which the spindle can be deviated and further means are provided which only allow engagement and disengagement if they can not thereby meet a sheet conveyed from the cylinder, characterized in that the coupling means are formed as a front coupling (34, 35), whose first part (34) is rotatably disposed and whose second part (35) is fixedly but axially displaceably disposed on a spindle (18), in that a control member (17) is connected to the first coupling half (34) on which member there acts a cam plate (40) synchronously rotating with the cylinder (1), in such a way that a swivel movement is forced into the first coupling half (34) in the rhythm of the series of sheets, in that an actuation device (22, 23, 28, 29, 36, 42) is provided which acts on the second coupling half (35) in the sense of engagement and disengagement, in that the further means consist in that the front coupling surfaces are constructed in such a way that the coupling halves (34, 35) can rotate against one another in the pressed state and can engage only in one definite angular position of the first coupling half (34) and in that on the side of the second coupling half (35) turned away from the first coupling half (34) there is provided a fixed guide surface (32, 33) acting in the axial direction on the second coupling half in such a way that disengagement is possible only in a definite angular position dependent on the sheet position.

Abstract (de)

Vorrichtung zum Ausscheiden von Probe- und Makulaturexemplaren mittels an einen Falzklappenzyylinder anstellbaren Weichen, die zum Abstreifen der gefalzten Exemplare in den Falzklappenzyylinder eingreifen, gekennzeichnet durch eine mit dem Falzklappenzyylinder (1) synchron rotierende Kurvenscheibe (40), die durch eine Abtastrolle (31) abtastbar ist, welche über einen Schalthebel (17) eine erste Hälfte einer auf einer die Weichen (3a) tragenden achsparallel zu dem Falzklappenzyylinder (1) verlaufenden Spindel (18) angeordneten Stirnkupplung im Rhythmus der Kurvenform der rotierenden Kurvenscheibe (40) um die Spindel (18) verschwenkt und durch eine Steuervorrichtung (22, 23, 28, 29, 36), durch die eine zweite Kupplungshälfte auf der Spindel (18) axial verschiebbar und in die erste Hälfte bei definierten Positionen der ersten Hälfte der Stirnkupplung ein- und ausrückbar ist.

IPC 1-7

**B65H 29/60**; **B65H 29/62**; **B41F 13/54**

IPC 8 full level

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CPC (source: EP)

**B65H 29/585** (2013.01); **B65H 29/62** (2013.01); **B65H 45/167** (2013.01)

Citation (search report)

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