

Title (en)

Rotary collating and/or inserting machines and method of collating and/or inserting sheet material.

Title (de)

Umlaufende Zusammentrag- und/oder Einlegevorrichtungen und Verfahren zum Zusammentragen und/oder Einlegen für blattförmiges Gut.

Title (fr)

Dispositifs rotatifs d'assemblage et/ou d'introduction ainsi que procédé d'assemblage et/ou d'introduction de matériau en feuilles.

Publication

EP 0083201 A1 19830706 (EN)

Application

EP 82306850 A 19821221

Priority

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- GB 8230589 A 19821026
- GB 8236264 A 19821221

Abstract (en)

In a rotary collating and/or inserting machine where individual sheets are peeled from the bottom of a plurality of stacks (35) of sheets arranged spaced around a circle on a table (34a ... 34f) and are moved down through one or more radial slots in the table, the separation of the bottom sheet of each stack, preferably at a corner, is initiated by creating changes in air pressure in a cyclically controlled manner at or adjacent to the upper region of the or each slot. This can be accomplished by the provision of suction holes (46) along the length of the or each slot or by changing the contour of the table surface, such as by incorporating a bellows. To aid onward movement of the sheets the forces acting on the bottom sheet at its entry into a slot in a sense to divert the sheet into the slot are changed by varying the air pressure as the bottom sheet passes down through the slot. Cyclically controlled suction means (43, 47) are preferably provided at or adjacent to the lower region of the or each slot.

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