

Title (en)
COLLECTOR UNIT FOR SHEET-FORM PRODUCTS

Title (de)
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Title (fr)
UNITE COLLECTRICE POUR PRODUITS EN FORME DE FEUILLES

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Application
EP 95923246 A 19950607

Priority

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Abstract (en)
[origin: DE19500899A1] The invention concerns a collector unit for products in the form of sheets, the collector unit having a drum (10), designed to guide the sheets round its curved surface (11), and one or more belts (15, 16, 17) which rest against the surface (11) of the drum and convey the sheets round the space between the belts and the drum. Openings (25, 26, 27) between the belts allow the sheets to be fed into and withdrawn from the unit. In addition, the unit is fitted with sensors (40, 41, 42) which determine the position of each sheet on the surface (11) of the drum, the position data being fed to a control unit in order to control the motion of the drum. The collector unit described enables both relatively thick and thin sheets to be collected reliably into bundles, fed in and taken out. Even sheets which tend to roll up or become stuck because of static charge, for instance, can be collected together to form a bundle. The sheets can be bundled continuously without the need to change the direction of rotation of the drum (10). In particular, it is easy to collect several sheets in a fanned bundle. The preferred application of the collector unit is in multiple-forms printers which produce simultaneously a statement of account and a transfer statement, for instance. Its construction enables it to be connected up to sheet-delivery equipment, e.g. printers or automatic cash dispensers.

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