Title (en)
DEVICE FOR TEARING APART ASUNDER FLAT PRODUCTS, IN PARTICULAR PRINTED MATTER DELIVERED IN AN IMBRICATED ARRANGEMENT

Publication
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Application
EP 82107703 A 19820823

Priority
CH 604881 A 19810918

Abstract (en)
[origin: CA1189101A] INVENTOR: WALTER REIST INVENTION: APPARATUS FOR PULLING APART FLAT PRODUCTS, ESPECIALLY PRINTED PRODUCTS, ARRIVING IN AN IMBRICATED PRODUCT STREAM By means of a first band or belt conveyor an imbricated product stream or formation, formed by product packs, each composed of two overlying printed products, is inputted to a second band or belt conveyor. The conveying velocity of the second band conveyor is twice as large as the conveying velocity of the first band conveyor. Above the second band conveyor there is arranged a retarding or delay device containing an endless transport band. This endless transport band possesses a conveying velocity which is half as large as the conveying velocity of the second band conveyor. The transport band is perforated and travels over a negative pressure chamber operatively connected with a vacuum pump. During movement of a product pack past the negative pressure chamber the uppermost situated product of such pack is seized at its freely exposed region by the transport band and retained thereat by means of the prevailing negative pressure. The seized or enlarged printed product is moved by the transport band with a velocity which is half as great as the velocity of movement of the product situated therebelow. In this manner it is possible to pull apart or separate the overlying printed products.

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Cited by
EP0259650A3; US4651984A; EP0189896A3; EP0368009A1; US5042792A; EP0442723A1; US4550822A; EP0189897A3; DE3502897A1; US4781368A; US7178800B2

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