

Title (en)

DEVICE FOR COUNTING FLAT PRODUCTS MOVING OVER A CONVEYOR PATH

Publication

EP 0080089 B2 19920108 (DE)

Application

EP 82110147 A 19821104

Priority

CH 720381 A 19811110

Abstract (en)

[origin: US4539470A] A product counter apparatus is disclosed comprising a support element which bears against the products, typically printed products, which are to be counted. A holder device is mounted at the support element. Secured to such holder device is a substantially L-shaped spring or resilient element containing two leg members. The one leg member of such resilient or spring element extends substantially transversely with respect to a predetermined conveying direction of the printed products and protrudes by means of its free end past the holder device. The other leg member of the resilient or spring element is clamped at its end, and thus, can be elastically deflected transversely to a plane containing the printed products. Retained in the holder device is an inductive proximity switch. The printed products moving past the counter apparatus impact at their leading edge at the end of the one leg member which serves as a feeler or sensor and deflect the latter in their product conveying direction. At the same time the feeler is raised while there is deflected the other leg member of the resilient or spring element. Consequently, it is possible for the feeler to be released from the printed product engaging thereat and to resiliently return back into its starting position. During approach of the feeler at the proximity switch the latter generates a counting signal which is inputted to a counter mechanism.

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G06M 7/00

IPC 8 full level

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CPC (source: EP US)

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