

Title (en)
Management system for faults in overlapping formations of printed products.

Title (de)
Fehlermanagement-System für Fehler in Schuppenformationen von Druckprodukten.

Title (fr)
Système de contrôle de défauts pour des formations de produit en écailles.

Publication
EP 0568883 B1 19950830 (DE)

Application
EP 93106682 A 19930424

Priority
CH 146792 A 19920507

Abstract (en)
[origin: EP0568883A1] The system for the management of faults for the further processing of an overlapping (imbricated) stream (S) of printed products has a monitoring element (1) which generates a measurement signal correlated to the overlapping stream. The measurement signal is interpreted cyclically by an interpretation element (2) by edge-sampling and/or peak-sampling. If a cycle of the measurement signal does not have the correct number of edges or has a maximum peak lying outside a tolerance range, fault signals are generated which are transmitted to a control element (3). The control element (3) generates control signals corresponding to the fault signals for at least one controlled element (10, 20, 30), which is arranged downstream, with respect to the product stream, of the monitoring element (1), in that said control element (3) delays the fault signal essentially by the distance between the monitoring element (1) and controlled element (10, 20, 30). The controlled element (10, 20, 30) eliminates faulty positions or transforms them into other faulty positions. The system is used for detecting, transforming and/or eliminating empty positions, positions occupied by faulty products, positions occupied by an incorrect number of products and/or positions, in the overlapping stream, occupied by products displaced in the conveying direction. <IMAGE>

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IPC 8 full level
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EP 0568883 A1 19931110; **EP 0568883 B1 19950830**; DE 59300522 D1 19951005; FI 932048 A0 19930506; FI 932048 A 19931108; JP 2818531 B2 19981030; JP H0664834 A 19940308; US 5446670 A 19950829

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