

Title (en)
DEVICE FOR DIVERTING WASTE SHEETS FROM THE MAIN STREAM

Publication
EP 0045713 B1 19841114 (DE)

Application
EP 81710031 A 19810724

Priority
DE 3029154 A 19800731

Abstract (en)
[origin: US4426074A] A switch system for clearing spoiled items from an overlapped stream of paper products such as signatures has a three-flight conveyor belt transporting system whose middle flight may be rocked bodily so that its downstream belt support roll, functioning as a switch roll, is moved between an upper position in which it is leveled up with the next flight, and a lowered position for sending the stream, when made up of spoiled items, downwards under the next flight to a separate delivery. The side face of the upstream belt roll of this same next flight is covered by a cover for neatly separating the stream and switching it over into the downward parts under this next flight. Over the switch a backer roll is placed so as to have its weight supported on the stream of products (in turn supported by the switch roll). In this way the products are well gripped and controlled.

IPC 1-7
B65H 29/62; **B41F 13/70**; **B65H 29/66**

IPC 8 full level
B41F 13/70 (2006.01); **B65H 29/62** (2006.01); **B65H 29/66** (2006.01)

CPC (source: EP US)
B41F 13/70 (2013.01 - EP US); **B65H 29/62** (2013.01 - EP US); **B65H 29/66** (2013.01 - EP US); **B65H 2404/2613** (2013.01 - EP US); **Y10S 209/925** (2013.01 - EP US)

Citation (examination)
SE 392255 A

Cited by
DE102019100756A1; DE3940243A1; CN112172325A; US6082733A; DE3244400A1; EP0436404A3; US5183249A; WO2020148033A1

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