

Title (en)

Adjustable separating slot for paper sheets and the like

Title (de)

Einstellbarer Vereinzelungsspalt für Papierbogen od.dgl

Title (fr)

Fente de séparation ajustable pour des feuilles en papier et similaire

Publication

**EP 0776845 B1 20000209 (DE)**

Application

**EP 96118493 A 19961119**

Priority

DE 29519061 U 19951201

Abstract (en)

[origin: US5676365A] A web and sheet sluice adjustable to different material thicknesses for sheets of paper or the like, which are fed to a processing or treating unit. The sluice has a passage gap between a friction roller, which rotates continuously during the working operation, and an axially parallel braking roller, which is radially adjustable in relation to the friction roller. An electric switching element sends a control signal for an electric circuit during the adjustment of the passage gap to the thickness of a sample located in the passage gap. The braking roller is rotatably mounted on the cylindrical eccentric of an eccentric shaft, which can be driven by a first electric motor drive and can optionally be adjusted to both directions of rotation, and with the friction roller stationarily stopped, it can be driven by a second electric motor drive at a speed of rotation that is substantially higher than the velocity of adjustment of the braking roller via a driving gear which can be moved out of its normal position. When the gap width to be set has been reached, the switching element, by the switching signal of which the two electric motor drives are stopped, is actuated.

IPC 1-7

**B65H 3/52**

IPC 8 full level

**B65H 23/192** (2006.01); **B65H 3/52** (2006.01)

CPC (source: EP US)

**B65H 3/5215** (2013.01 - EP US); **B65H 2511/13** (2013.01 - EP US); **B65H 2511/22** (2013.01 - EP US)

C-Set (source: EP US)

1. **B65H 2511/13** + **B65H 2220/01**
2. **B65H 2511/22** + **B65H 2220/02** + **B65H 2220/11**

Cited by

US8052145B2; EP2132117B1; WO2008001056A3; WO2017107021A1

Designated contracting state (EPC)

AT CH DE FR GB IT LI NL

DOCDB simple family (publication)

**US 5676365 A 19971014**; AT E189663 T1 20000215; DE 29519061 U1 19960125; DE 59604411 D1 20000316; EP 0776845 A1 19970604; EP 0776845 B1 20000209; JP H09175680 A 19970708

DOCDB simple family (application)

**US 68621396 A 19960723**; AT 96118493 T 19961119; DE 29519061 U 19951201; DE 59604411 T 19961119; EP 96118493 A 19961119; JP 31795696 A 19961128