

Title (en)

Method of and device for separating documents in sheet form.

Title (de)

Verfahren und Vorrichtung zum Vereinzeln von blattförmigen Aufzeichnungsträgern.

Title (fr)

Procédé et dispositif pour enlever des documents en forme de feuille.

Publication

EP 0534245 B1 19941214 (DE)

Application

EP 92115550 A 19920911

Priority

DE 4131726 A 19910924

Abstract (en)

[origin: EP0534245A1] To separate documents (14) having different degrees of rigidity from a stack, a separating roller (20) grips the top sheet of the stack in each case in a non-positive manner to push the said sheet against a slope (18) and to lift it from the stack on the said slope. The separating roller (20) is mounted so as to be freely movable in a plane parallel to the plane of the stack, so that it rolls a distance away from the slope (18) which depends on the rigidity of the document on the stack, until the front edge of the sheet can be deflected on the slope (18) for separating. The separating roller (20) is thereby automatically adjusted to the optimum distance from the slope (18) for the rigidity of the document in question. <IMAGE>

IPC 1-7

B65H 3/06; **B65H 3/52**

IPC 8 full level

B41F 21/00 (2006.01); **B65H 3/06** (2006.01); **B65H 3/52** (2006.01)

CPC (source: EP US)

B65H 3/0669 (2013.01 - EP US); **B65H 2405/1136** (2013.01 - EP US)

Cited by

DE10258038B4; EP1394087A3; US7404553B2; WO9637428A1

Designated contracting state (EPC)

CH DE IT LI

DOCDB simple family (publication)

EP 0534245 A1 19930331; **EP 0534245 B1 19941214**; DE 4131726 A1 19930325; DE 4131726 C2 19930826; DE 59200972 D1 19950126; JP 2770208 B2 19980625; JP H05213462 A 19930824; US 5377969 A 19950103

DOCDB simple family (application)

EP 92115550 A 19920911; DE 4131726 A 19910924; DE 59200972 T 19920911; JP 25288992 A 19920922; US 94317492 A 19920911