

Title (en)
Device for the individual separation and removal of single sheets from a stack.

Title (de)
Vorrichtung zum Trennen und Abziehen jeweils eines Bogens von einem Stapel.

Title (fr)
Dispositif de séparation et d'extraction une à une de feuilles empilées.

Publication
EP 0017234 A1 19801015 (FR)

Application
EP 80101795 A 19800403

Priority
FR 7909035 A 19790410

Abstract (en)
[origin: ES8102970A1] Apparatus for separating and extracting stacked sheets one by one, in which the top sheet is driven by a friction roller only forward in the extraction direction and is passed between two rollers 6, 9 which have suitable profiles to curve it transversely at least once. Roller 6 rotates with the friction roller, while roller 9 is permitted only a few degrees of rotation in the forward direction and is then spring-returned, preferably to slightly beyond its initial position so that the roller 9 indexes slightly in the counterfeed direction with each dispensing cycle, thereby evenly distributing wear around its periphery. The invention applies in particular to bank-note extractors.

Abstract (fr)
Dispositif de séparation et d'extraction de feuilles empilées, comportant un premier galet de friction (3) entraînant la feuille supérieure (2A) de la pile, un deuxième galet (6) situé à l'extrémité avant de la pile de feuilles et un troisième galet (9) situé sous le deuxième galet (6), le profil des deuxième et troisième galets (6,9) étant tel que la feuille subit une ondulation transversale lors de son passage entre lesdits galets (6,9).

IPC 1-7
B65H 3/06; **B65H 5/06**

IPC 8 full level
B65H 3/52 (2006.01); **B65H 5/06** (2006.01)

CPC (source: EP US)
B65H 3/5261 (2013.01 - EP US); **B65H 5/062** (2013.01 - EP US); **B65H 2301/51** (2013.01 - EP US); **B65H 2701/1912** (2013.01 - EP US)

Citation (search report)

- FR 2315470 A1 19770121 - IBM [US]
- FR 2307738 A1 19761112 - RUENZI KURT [CH]
- FR 2177747 A1 19731109 - PENNSYLVANIA RES ASS INC [US]
- FR 2310948 A1 19761210 - PITNEY BOWES INC [US]
- FR 2231221 A5 19741220 - CIT ALCATEL [FR]
- US 3042397 A 19620703 - TARBUCK ROBERT R
- FR 2108495 A5 19720519 - METIOR AB
- US 3184231 A 19650518 - RALPH VARRICHIO

Cited by
EP0137381A3; EP0127242A1

Designated contracting state (EPC)
BE DE FR GB IT LU NL

DOCDB simple family (publication)
EP 0017234 A1 19801015; **EP 0017234 B1 19831116**; CA 1132618 A 19820928; DE 3065581 D1 19831222; DK 148080 B 19850225; DK 148080 C 19850812; DK 152180 A 19801011; ES 490387 A0 19810216; ES 8102970 A1 19810216; FI 69437 B 19851031; FI 69437 C 19860210; FI 801107 A 19801011; FR 2453809 A1 19801107; FR 2453809 B1 19820702; IE 49583 B1 19851030; IE 800715 L 19801010; JP S5623136 A 19810304; US 4316606 A 19820223

DOCDB simple family (application)
EP 80101795 A 19800403; CA 349416 A 19800409; DE 3065581 T 19800403; DK 152180 A 19800409; ES 490387 A 19800409; FI 801107 A 19800408; FR 7909035 A 19790410; IE 71580 A 19800409; JP 4743880 A 19800410; US 13830280 A 19800408