

Title (en)

DEVICE FOR THE INDIVIDUAL SEPARATION AND REMOVAL OF SINGLE SHEETS FROM A STACK

Publication

**EP 0017234 B1 19831116 (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.

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)

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