

Title (en)

METHOD FOR UNSTACKING SHEETS STACKED IN A FEEDER

Title (de)

VERFAHREN ZUM ABSTAPELN VON BLÄTTERN IN EINER BOGENZUFÜHRVORRICHTUNG

Title (fr)

PROCEDE DE DEPILAGE DE FEUILLES EMPILEES DANS UN CHARGEUR

Publication

**EP 1144290 B1 20041020 (FR)**

Application

**EP 00935255 A 20000524**

Priority

- FR 0001411 W 20000524
- FR 9909115 A 19990713

Abstract (en)

[origin: US6431539B2] The invention concerns a method for unstacking sheets stacked in a feeder, comprising a step which consists in bringing a vacuum cup close to the surface of the sheet at the top of the stack; a step which consists in contacting the vacuum cup with the surface of said top sheet and a step in bringing the vacuum cup away after seizing the top sheet. The invention is characterized in that the vacuum cup is applied in an off-center zone of the top sheet, and said vacuum cup is inclined, when it starts to move away, so as to cause the top sheet to be deformed thereby producing a separation prior to complete separation of the top sheet.

IPC 1-7

**B65H 3/00**

IPC 8 full level

**B65H 3/08** (2006.01); **B65H 3/42** (2006.01)

CPC (source: EP US)

**B65H 3/0808** (2013.01 - EP US); **B65H 3/42** (2013.01 - EP US); **B65H 2406/3454** (2013.01 - EP US); **B65H 2555/24** (2013.01 - EP US)

Citation (examination)

US 5254071 A 19931019 - LAROCHE FRANCIS [FR]

Cited by

FR3085364A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**US 2001026041 A1 20011004**; **US 6431539 B2 20020813**; AT E280118 T1 20041115; CA 2342741 A1 20010118; CA 2342741 C 20081230; DE 60015072 D1 20041125; DE 60015072 T2 20051215; EP 1144290 A2 20011017; EP 1144290 B1 20041020; ES 2231208 T3 20050516; WO 0104033 A2 20010118; WO 0104033 A3 20010726

DOCDB simple family (application)

**US 80038501 A 20010306**; AT 00935255 T 20000524; CA 2342741 A 20000524; DE 60015072 T 20000524; EP 00935255 A 20000524; ES 00935255 T 20000524; FR 0001411 W 20000524