

Title (en)

Method for controlling an air knife and the vacuum for improving paper pick up in a vacuum paper feed system

Title (de)

Luftmesser- und Unterdruckluftsteuerungsverfahren zur Verbesserung der Papiererfassung für einen Unterdruckluftpapiervorschub

Title (fr)

Procédé de commande d'un couteau à air et de la dépression pour améliorer le prélèvement de papier dans un système d'alimentation à vide de papier

Publication

**EP 1197451 A3 20031112 (DE)**

Application

**EP 01123359 A 20011010**

Priority

US 68800000 A 20001014

Abstract (en)

[origin: EP1197451A2] The method for operating a suction belt feeder comprises forming the top sheet of a stack into waves using an air knife (40) at a point in the cycle when the belt is not moving. This vibrates the sheet to assist separation from the stack An Independent claim is included for a mechanism for use in the method.

IPC 1-7

**B65H 3/12**; **B65H 3/48**; **B65H 7/16**

IPC 8 full level

**B65H 3/12** (2006.01); **B65H 3/48** (2006.01); **B65H 7/16** (2006.01)

CPC (source: EP US)

**B65H 3/128** (2013.01 - EP US); **B65H 3/48** (2013.01 - EP US); **B65H 7/16** (2013.01 - EP US); **B65H 2515/34** (2013.01 - EP US)

Citation (search report)

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- [A] US 4451028 A 19840529 - HOLMES MAURICE F [US], et al

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**EP 1197451 A2 20020417**; **EP 1197451 A3 20031112**; **EP 1197451 B1 20100310**; CA 2358640 A1 20020414; DE 10149964 A1 20020418; DE 50115378 D1 20100422; JP 2002128301 A 20020509; JP 4145037 B2 20080903; US 6554269 B1 20030429

DOCDB simple family (application)

**EP 01123359 A 20011010**; CA 2358640 A 20011011; DE 10149964 A 20011010; DE 50115378 T 20011010; JP 2001313938 A 20011011; US 68800000 A 20001014