

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)

- [X] US 5645274 A 19970708 - UBAYASHI SHINSUKE [JP], et al
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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