

Title (en)

DEVICE FOR REPEATEDLY SEPARATING AND CONVEYING THE TOP SHEET OF A PILE OF SHEETS OR SHEET-LIKE ARTICLES

Publication

EP 0194511 A3 19880107 (DE)

Application

EP 86102497 A 19860226

Priority

DE 3508736 A 19850312

Abstract (en)

[origin: US4759537A] In order to be able in a simple manner to supply one or more suction pick-up devices periodically moved relative to the surface of a stack with driving energy, the suction pick-up device is connected to an air volume or source having substantially constant negative pressure over overpressure, and a valve assembly that periodically connects the suction pick-up device to the outside air. The valve assembly is incorporated in the connecting line between the suction pick-up device and the air volume. The valve assembly may be embodied with a control piston that is subject to the action of a restoring force, by a pneumatic multi-way valve having a regulatable frequency, or by a magnetic valve connected to a regulatable frequency generator. With the aid of a regulating device for the cross section of the vent opening, it is possible to generate an amplitude of the suction pick-up device movement that becomes progressively smaller from stroke to stroke after the movable suction pick-up device has been switched on, until it attains a complete standstill.

IPC 1-7

B65H 3/08

IPC 8 full level

B65H 3/08 (2006.01)

CPC (source: EP US)

B65H 3/0883 (2013.01 - EP US); **B65H 3/0891** (2013.01 - EP US)

Citation (search report)

- [Y] EP 0121803 A1 19841017 - FRAUNHOFER GES FORSCHUNG [DE]
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Cited by

EP0775655A1; WO9408880A1

Designated contracting state (EPC)

AT BE CH FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0194511 A2 19860917; **EP 0194511 A3 19880107**; DE 3508736 A1 19860925; DE 3508736 C2 19871112; JP S61229732 A 19861014; US 4759537 A 19880726

DOCDB simple family (application)

EP 86102497 A 19860226; DE 3508736 A 19850312; JP 5350386 A 19860311; US 83904886 A 19860312