

Title (en)

Device for a controlled separation of waste from printed material

Title (de)

Vorrichtung zur kontrollierten Beseitigung von Abfall-Stücken von Bedruckstoffen

Title (fr)

Dispositif pour la séparation contrôlée de déchets à partir d'un matériau imprimé

Publication

EP 0586876 B1 19960327 (DE)

Application

EP 93112461 A 19930804

Priority

DE 4229699 A 19920905

Abstract (en)

[origin: US5419224A] A device for the controlled removal of pieces of waste material is provided. The device has a non-rotatable cylinder shaft having an outer surface; a cylinder jacket having an inner surface and an outer surface and having at least one through-hole extending between the inner surface and the outer surface of the cylinder jacket, the cylinder jacket rotatable around the cylinder shaft; and sealing strips between the outer surface of the cylinder shaft and the inner surface of the cylinder jacket. The outer surface of the cylinder shaft, the inner surface of the cylinder jacket and the sealing means define a pressure chamber and a vacuum chamber, so that upon rotation of the cylinder jacket around the cylinder sleeve the at through-holes alternately connect with the pressure chamber and the vacuum chamber. The waste pieces are created when a pair of knives disposed on the outer surface of the cylinder jacket cut a moving web.

IPC 1-7

B26D 7/18; B26D 7/26

IPC 8 full level

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CPC (source: EP US)

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Cited by

DE19634628C1; DE102006027124A1; US7896329B2

Designated contracting state (EPC)

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US 5419224 A 19950530; AT E135948 T1 19960415; CN 1036903 C 19980107; CN 1084112 A 19940323; DE 4229699 A1 19940310; DE 4229699 C2 19950921; DE 59302032 D1 19960502; EP 0586876 A1 19940316; EP 0586876 B1 19960327; JP H06170791 A 19940621

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