

Title (en)
Guillotine-type cutter.

Title (de)
Planschneidemaschine.

Title (fr)
Guillotine.

Publication
EP 0252418 A1 19880113 (DE)

Application
EP 87109435 A 19870701

Priority
DE 3623004 A 19860709

Abstract (en)
[origin: US4836074A] A guillotine type cutting machine for stacks of paper sheets has a table which supports the stock to be cut and a knife which can sever the stock in a vertical cutting plane. A feeding unit is provided to advance the stock along the table across the cutting plane, and a hold-down device is provided at the cutting plane to engage and press upon the stock opposite the descending knife while the stock is being severed. This hold-down device further serves to bear upon the stock during expulsion of air from the stock preparatory to the first cutting step. The air expelling unit has a roller which is lowered onto the stock adjacent the hold-down device and is then moved along the stock toward the feeding unit to expel air from pockets between the sheets. A cover is placed between the roller of the air expelling unit and the stock so that the roller need not directly engage the topmost sheet of the stock. A pusher is provided on the feeding units to shift the stock against a lateral stop upon completion of the air expelling step but prior to the first severing step.

Abstract (de)
Eine Planschneidemaschine für Stapelgut aus blattförmigem Material, wie Papier, besitzt einen Niederhaltebalken (3), insbesondere den Preßbalken, der etwa parallel zum Schneidmesser (2) verläuft, nahe einem Ende einer Stapel-Aufnahmefläche (5) angeordnet und unter Druck auf das Stapelgut (6) absenkbar ist. Ferner ist eine Luft-Ausstreichvorrichtung (9), insbesondere eine Ausstreichwalze, vorgesehen, die ebenfalls unter Druck auf das Stapelgut (6) absenkbar und in dieser Lage von einer dem Niederhaltebalken (3) benachbarten Stelle in Richtung auf das andere Ende der Aufnahmefläche (5) bewegbar ist. Durch das Ausstreichen der Luft ergibt sich eine hohe Formatgenauigkeit beim Schneiden.

IPC 1-7
B26D 7/01

IPC 8 full level
B26D 1/08 (2006.01); **B26D 7/01** (2006.01); **B26D 7/02** (2006.01)

CPC (source: EP US)
B26D 7/015 (2013.01 - EP US); **B26D 7/025** (2013.01 - EP US); **Y10S 414/12** (2013.01 - EP US); **Y10T 83/0405** (2015.04 - EP US); **Y10T 83/4645** (2015.04 - EP US); **Y10T 83/5705** (2015.04 - EP US)

Citation (search report)

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- DE 455180 C 19280130 - KRAUSEWERK AKT GES
- US 3530975 A 19700929 - THUMIM CARL, et al
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Designated contracting state (EPC)
BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0252418 A1 19880113; **EP 0252418 B1 19900523**; DE 3623004 A1 19880128; DE 3623004 C2 19880601; DE 3762818 D1 19900628; ES 2015925 B3 19900916; JP H046513 B2 19920206; JP S6322298 A 19880129; US 4836074 A 19890606

DOCDB simple family (application)
EP 87109435 A 19870701; DE 3623004 A 19860709; DE 3762818 T 19870701; ES 87109435 T 19870701; JP 15525987 A 19870622; US 6608987 A 19870624