

Title (en)
APPARATUS FOR CUTTING PILES OF SHEETS

Publication
EP 0242763 A3 19891206 (DE)

Application
EP 87105449 A 19870413

Priority
DE 3613316 A 19860419

Abstract (en)
[origin: US4850257A] Apparatus for cutting stacks of sheets has a first cutting machine which subdivides large piles of overlapping sheets into elongated strip-shaped stacks. The stacks are accumulated on a platform which is moved into a second cutting machine wherein a selected number of stacks is pushed by a feeding device across the cutting plane of a guillotine type knife before the knife descends to separate smaller stacks which come to rest on a plate or enter a gap formed in response to retraction of the plate so that the severed portions of the stacks can be advanced to a processing machine. The stacks which are about to be severed are pushed by a biasing device against a stop which extends at right angles to the cutting plane in the second machine, and each such stack is further pushed by an aligning device so that it abuts the feeding device. This ensures that the stacks are properly oriented prior to severing by the knife in the second machine. The effective length of the feeding device is less than the distance between the stop and the biasing device.

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); **B26D 7/06** (2006.01); **B26D 7/18** (2006.01); **B26D 11/00** (2006.01)

CPC (source: EP US)
B26D 7/015 (2013.01 - EP US); **B26D 7/025** (2013.01 - EP US); **B26D 7/18** (2013.01 - EP US); **Y10T 83/2055** (2015.04 - EP US); **Y10T 83/2135** (2015.04 - EP US); **Y10T 83/648** (2015.04 - EP US); **Y10T 83/6576** (2015.04 - EP US); **Y10T 83/741** (2015.04 - EP US); **Y10T 83/745** (2015.04 - EP US)

Citation (search report)
• [X] DE 3111256 A1 19820401 - SCHELLING & CO [AT]
• [A] FR 2336217 A1 19770722 - GIBEN IMPIANTI SPA [IT]
• [A] US 2589033 A 19520311 - BAUMGARTNER JOHN R
• [AD] EP 0056874 A2 19820804 - MOHR KARL [DE], et al
• [A] FR 1150136 A 19580108

Cited by
EP1018410A1; CN100402227C; US4850257A; EP1018408A1; DE10162367A1; DE10162367B4; EP0438736A1; DE4002102A1; EP1018409A1; US6601490B1; CN112372732A; CN115319934A; EP0710530A1; US6012367A; DE4002101A1; US5301581A; EP1375388A2; EP1595830A1; WO0001514A1; DE102018108555B4

Designated contracting state (EPC)
BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0242763 A2 19871028; EP 0242763 A3 19891206; EP 0242763 B1 19930303; DE 3613316 C1 19880218; DE 3784365 D1 19930408; ES 2039370 T3 19931001; JP H046514 B2 19920206; JP S62251097 A 19871031; US 4850257 A 19890725

DOCDB simple family (application)
EP 87105449 A 19870413; DE 3613316 A 19860419; DE 3784365 T 19870413; ES 87105449 T 19870413; JP 8786887 A 19870409; US 3888087 A 19870415