

Title (en)
Sheet material feeder.

Title (de)
Bogenzuführvorrichtung.

Title (fr)
Alimenteur de matériau en forme de feuille.

Publication
EP 0459667 A1 19911204 (EN)

Application
EP 91304436 A 19910517

Priority
• US 52456390 A 19900517
• US 65927091 A 19910222

Abstract (en)
Sheet 25 is fed from the bottom of a stack by a feed belt 38 and optimally additional feed belts 60. The edges of the resilient belt 38 overhang the edges of the supporting roller 36 and are overlapped by fixed guides 28 which restrain the advance of other sheets from the stack and cause bending or corrugating of the sheet 25 about an axis parallel to the direction of advance of the sheet, thereby separating the sheet 25 from other sheets and ensuring that a single sheet is fed. <IMAGE>

IPC 1-7
B65H 3/04; **B65H 3/46**

IPC 8 full level
B65H 3/04 (2006.01); **B65H 3/06** (2006.01); **B65H 3/46** (2006.01); **B65H 3/52** (2006.01)

CPC (source: EP)
B65H 3/042 (2013.01); **B65H 3/46** (2013.01)

Citation (search report)
• [X] DE 3508981 A1 19860807 - GLORY KOGYO KK [JP]
• [X] CA 1127193 A 19820706 - LONG JOHN A
• [Y] NL 6900533 A 19700715
• [A] DE 3018513 A1 19801127 - RICOH KK
• [A] XEROX DISCLOSURE JOURNAL vol. 4, no. 1, February 1979, page 63; V.R.GREEN: 'sheet feeding method for machines with belt transport '
• [A] PATENT ABSTRACTS OF JAPAN vol. 9, no. 149 (M-390)(1872) June 25, 1985 & JP-A-60 26 538 (CANON) February 9, 1985

Cited by
EP1108665A3; US6705605B2

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 0459667 A1 19911204; **EP 0459667 B1 19941117**; DE 69105165 D1 19941222; DE 69105165 T2 19950413; JP 2664555 B2 19971015; JP H04226224 A 19920814

DOCDB simple family (application)
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