

Title (en)

Apparatus for bottom feeding articles from a stack.

Title (de)

Vorrichtung zum Zuführen des untersten Gegenstandes eines Stapels.

Title (fr)

Dispositif pour alimenter l'objet inférieur d'une pile.

Publication

EP 0043262 A1 19820106 (EN)

Application

EP 81302913 A 19810626

Priority

US 16383480 A 19800627

Abstract (en)

A normal force applicator (11) for apparatus for bottom feeding articles from the stack. The normal force application (11) forms a rolling nip (28) between a roller (27) and a feed belt designed to apply force to only a few of the bottom articles in the stack to be fed at the time. The rolling nip (28) ensures a constant normal force between the articles and the feed belt (5) that feeds articles to a separator (16) even using a very low applied force, independent of stack size. Also, since the roller (27) contacts only a few of the bottom articles, additional articles can be added to the stack readily even while the feeder is operating.

IPC 1-7

B65H 3/52; B65H 3/04

IPC 8 full level

B65H 3/04 (2006.01); **B65H 3/52** (2006.01)

CPC (source: EP)

B65H 3/5238 (2013.01)

Citation (search report)

- US 3970298 A 19760720 - IRVINE ROBERT, et al
- US 3984659 A 19761005 - BILBREY ROBERT A
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- US 3838851 A 19741001 - KOLIBAS J

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GB2385047A; GB2170484A; GB2170484B; US9567173B2; WO2013072648A1

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