

Title (en)

Paper sheet feeding device and method thereof

Title (de)

Papierbogenzuführvorrichtung und Verfahren hierzu

Title (fr)

Dispositif d'alimentation en papier et méthode associée

Publication

EP 1661832 A1 20060531 (EN)

Application

EP 05111244 A 20051124

Priority

JP 2004339313 A 20041124

Abstract (en)

A paper sheet feeding device (1) is provided which is capable of taking out large-sized paper sheets (10) one by one safely and reliably and of allowing the device to be miniaturized, and a method of feeding paper sheets (10) using the above device. The paper sheet feeding device (1) is so configured that a reverse roller (23) accumulates paper sheets (10), a first suction belt (25) sends out one or several paper sheets (10) with specified timing, a stopper (32) retains paper sheets (10) with edges of the paper sheets (10) existing on a carrying direction side evened up, movable guides (33, 34, 35) move the paper sheets (10) to a second suction belt (37) side with the edges of the paper sheets (10) existing on a carrying direction side evened up and cancel contact with the moved paper sheets (10), and the second suction belt (37) sends out the moved paper sheets (10) one by one.

IPC 8 full level

B65H 3/54 (2006.01); **B65H 3/12** (2006.01); **B65H 5/22** (2006.01)

CPC (source: EP)

B65H 3/128 (2013.01); **B65H 3/54** (2013.01); **B65H 5/224** (2013.01); **B65H 2301/321** (2013.01); **B65H 2301/44514** (2013.01); **B65H 2701/1912** (2013.01)

Citation (search report)

- [A] US 3347348 A 19671017 - GEORGE FLINT ALAN, et al
- [AD] PATENT ABSTRACTS OF JAPAN vol. 1995, no. 04 31 May 1995 (1995-05-31)
- [AD] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 07 29 September 2000 (2000-09-29)
- [AD] PATENT ABSTRACTS OF JAPAN vol. 2003, no. 03 5 May 2003 (2003-05-05)

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DE102017221220A1; DE102017221220B4; DE102017221215A1; DE102019126657A1; DE102019126657B4; GB2430192A; GB2430192B; DE102017221215B4

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