

Title (en)

Apparatus and method for accumulating sheets

Title (de)

Verfahren und Vorrichtung zum Sammeln von Papierbögen

Title (fr)

Procédé et dispositif pour l'accumulation de feuilles de papier

Publication

**EP 1683751 A2 20060726 (EN)**

Application

**EP 06008777 A 20040624**

Priority

- EP 04014778 A 20040624
- US 61116703 A 20030630

Abstract (en)

An accumulator device with a downward angled input transport (42). Downstream, an accumulating receptacle (44,47) receives sheets. The accumulating receptacle has an upper guide (47) and a lower guide (44) forming a horizontal accumulating channel. Dump rollers (43) act as a stop during sheet accumulation, and as a transport for removing completed accumulations from the sheet accumulating device. A rear portion of sheets (1) buckle downward into a trap arrangement (45) below the input rollers (41). Preferably, the upper guide of the accumulating channel comprises a continuously rotating belt (47) to urge accumulating sheets against the dump rollers (43). Also, a positive air device (49) may be used to assist in the buckling of the rear portion of the sheets. To assist in handling large collations, when a sheet arrives at the dump rollers (43) they advance by a small predetermined incremental displacement slightly shingling the sheets (1) to maintain positive control for later reliable discharge.

IPC 8 full level

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Cited by

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**EP 1493700 A2 20050105**; **EP 1493700 A3 20050309**; **EP 1493700 B1 20061122**; CA 2472870 A1 20041230; CA 2472870 C 20071023; DE 602004003299 D1 20070104; DE 602004003299 T2 20070628; EP 1683751 A2 20060726; EP 1683751 A3 20061018; US 2005017438 A1 20050127

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