

Title (en)
Thin sheet feeding apparatus.

Title (de)
Blattzuführvorrichtung.

Title (fr)
Dispositif pour alimentation en feuilles.

Publication
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Application
EP 81106973 A 19810904

Priority
JP 12591380 A 19800912

Abstract (en)
A rotating drum (29) employed in this thin sheet feeding apparatus sucks the topmost one of stacked thin sheets, shifts it to a predetermined position, and then feeds it in the tangential direction of outer circumference of rotating drum (29). A pair of belts (71, 72) running on both sides of tangential direction form a V-shaped area (74) which is wide at the side of receiving the thin sheets fed from the drum but becomes narrower as it advances toward the tangential direction, thus allowing the thin sheets fed from the drum (29) to be guided to a thin sheet holding portion (73) which is formed by belts (71, 72) and to be conveyed to a predetermined place with the thin sheets held in the thin sheet holding portion (73). All of pulleys (64, 66, 67) for guiding belts (71, 72) have diameters smaller than that of the rotating drum (29) and axes parallel to that (35) of the rotating drum (29). and are arranged eccentrically relative to the rotating drum (29). Belts (71, 72) are driven at a speed substantially equal to the maximum circumferential speed of the rotating drum (29).

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Citation (search report)

- US 4095784 A 19780620 - KENNEDY MELVIN, et al
- DE 1273541 B 19680725 - BELOIT CORP
- EP 0017983 A1 19801029 - TOKYO SHIBAURA ELECTRIC CO [JP]
- DE 1007340 C
- GB 849797 A 19600928 - IBM
- DE 2926136 A1 19800110 - MARQUIP INC

Cited by
EP0413471A3; FR2657856A1; CN103159052A; EP2602218A3; EP0687641A3; US2011193285A1; US8814159B2; US6773006B2; US6786032B2

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DE 3163305 D1 19840530; JP S5751632 A 19820326; JP S6348778 B2 19880930; KR 830007403 A 19831021; KR 860000008 B1 19860130

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