

Title (en)
FOLDING APPARATUS COMPRISING A DELAY SECTION

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Application
EP 84104190 A 19840413

Priority
DE 3321811 A 19830616

Abstract (en)
[origin: US4516759A] To match the speed of incoming sheets, typically folded sheets, from a first high-speed transport system (3, 4) to a receiving speed of a second, lower speed transport system (5, 6), a decelerating path is formed by a third transport system (1, 2) which includes moving belts which are looped about looping rollers (17, 18) in S-configuration to further define a third path between opposed rollers (19, 20), the looping rollers being reciprocatably connected to a slide unit by an eccentric-and-crank arrangement (22, 23) so that the belts (14, 14') of the third unit will have undulating variable speed between maximum and minimum. The rotation of the eccentric-and-crank arrangement (22, 23) is synchronized with the transport of sheets such that, when the belts are at their maximum speed, they are about to grip the leading edge of a sheet being fed thereto, and then decelerate to their minimum speed when the sheets are about to leave the third transport system. The receiving belts of the second, slower speed system may also be stationary, or be replaced by a slide table to receive the sheets in imbricated (FIG. 5) position.

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CPC (source: EP US)
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Cited by
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