

Title (en)

Sheet diverting and delivery system.

Title (de)

System zum Ablenken und zum Ausgeben von Bögen.

Title (fr)

Système de déviation et de sortie de feuilles.

Publication

EP 0244650 A2 19871111 (EN)

Application

EP 87105039 A 19870404

Priority

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Abstract (en)

An apparatus for diverting and delivering sheets in which the sheets are positively controlled throughout the entire operation. Initially, a continuous web of paper passes between opposing cylinders comprising a rotary cutter. The lead edge of the web is then engaged by a pair of opposed nip rollers. Once held by these nip rollers, the rotary knife cuts a separate sheet from the front of the continuous web. The separate sheet then passes between and is accelerated by the nip rollers whereupon a dual set of diverting cams, in combination with a pair of conveyors, directs the sheet to one of two delivery systems. The next subsequent sheet is directed to the other delivery system so that each successive sheet is alternately diverted between the two delivery systems. Upon entering either delivery system, the sheet is subjected to a snubbing means which decelerates the sheet and further allows the next subsequent sheet to overlap the previous sheet before being similarly decelerated. The shingled sheets are then transmitted by conveyor to a subsequent handling operation.

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CPC (source: EP)

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Cited by

EP0455494A3; CN102674071A; DE10044131B4; CN102855694A; CN102874639A; EP0602023A1; US5014975A; EP1431049A1; US6098978A; US7040616B2; US11414291B2; WO9806651A1; EP0417636B1

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