

Title (en)

Mechanism for changing a web feed from intermittent to constant motion

Title (de)

Mechanismus zur Umwandlung einer Bahnzufuhr von diskontinuierlicher zu kontinuierlicher Bewegung

Title (fr)

Mécanisme pour transformer un transport de bande d'un mouvement intermittent à un mouvement continu

Publication

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Application

EP 97307799 A 19971002

Priority

CA 2189599 A 19961105

Abstract (en)

A mechanism is provided for receiving a web with intermittent motion and converting it to constant motion, particularly for severed carton items. A reciprocating carriage has first and second adjacent idler rollers and a third roller spaced away from the first two. A driven roller has a fixed axis and is located with respect to the third idler roller such that the web when stung between the first and second rollers and thence around the third roller and thence around the driven roller, assumes a quasi-boustrophedonic configuration such that a portion of the web can be accumulated between the third idler roller and the driven roller when the carriage moves in the direction which increases the distance between them. Upper and lower endless belts pass partially around the first and second translating rollers respectively and once juxtapositioned, between the two idler rollers, thence around the third translating idler roller, thence around the driven roller, thence along different respective return paths. The driven roller is rotated at substantially constant speed, and the carriage is moved in a first direction corresponding to that portion of the cycle when the web movement has been arrested, and for moving the carriage in the second direction opposite the first direction when web movement resumes. <IMAGE>

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