

Title (en)

Rotating plate structure of a waist twist machine

Title (de)

Rotationsplattenstruktur für Taillenverdrehmaschine

Title (fr)

Structure de plaque rotative d'une machine de torsion de taille

Publication

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Application

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Priority

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Abstract (en)

[origin: EP2198933A1] A waist twist machine having a base frame (12), a rear support (14), and a front upright rod (18) with a handle (16) at the top thereof. A crossbar (20) is positioned near the center of the base frame (12). A rotating rod (22) is pivotally disposed at the top of the crossbar (20). A rotating plate assembly (30) is pivotally connected to the rotating rod (22). The rotating plate assembly (30) includes a front rotating arm (32), a rear rotating arm (34), and two foot plates (36) that are pivotally connected to one another. The bottom of the front and the rear end of the foot plates (36) is pivotally attached to the front and rear rotating arms (32, 34). The front and rear rotating arms (32, 34) each include a pivoting portion (33, 35) at the center thereof. The pivoting portions (33, 35) are pivotally coupled to both ends of the rotating rod (22). As a result, the front and rear rotating arms (32, 34) create a rotational deformation due to the action of the pivoting points when the foot plates (36) are subject to force and are rotated. In this way, both of the foot plates (36) create more rotational angles.

IPC 8 full level

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