

Title (en)

WORKPIECE STEADY FOR A DECORATING MACHINE.

Title (de)

Werkstückbefestigung für Dekorationsmaschinen

Title (fr)

Fixateur des pièces pour une machine à décorer

Publication

EP 1595699 A1 20051116 (EN)

Application

EP 04102128 A 20040514

Priority

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Abstract (en)

A reduction to the traveling motion of bottles (B1) along a delivery conveyor (12) in an intermittent motion decorating machine (10) is provided by one (66,68) of a pair of workpiece feed cams (66,68;70,72) rotatably supported in a side-by-side relation to rotate about spaced horizontal axes lying in a common horizontal plane. The workpiece feed cams (66,68;70,72) have feed cam tracks (66A,68A) for receiving cam followers (74,75) of each of plurality of horizontal bottle carriers (76). One of the feed cam tracks (66A,68A) reduces the speed of the bottle carriers (76) from a relatively high entry speed corresponding to the through put speed in the decorating machine (10) to the speed of the deliver conveyor for more densely populating the delivery conveyor (12) with workpieces (B1). Carrier transfer members (52,53,54,55) at each of opposite ends of the workpiece feed cams (66,68) transfer the bottle carriers (76) from one to the other of the workpiece feed cam (66,68). A drive (14,15,21,38) rotates the workpiece feed cams (66,68), carrier return cams (70,72) and carrier transfer members (52,53,54,55). The decorating machine (10) is provided with a registration station (R) preceding spaced apart decorating stations (P1-PN). The registration station (R) includes a drive to reduce the clamping pressure by chucks (79) on a workpiece (B1) while establishing a predetermined orientation of each workpiece (B1) relative to the decorating stations (P1-PN).
<IMAGE>

IPC 1-7

B41F 15/30; B41F 15/08

IPC 8 full level

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CPC (source: EP)

B41F 15/08 (2013.01); **B41F 15/0872** (2013.01); **B41F 15/18** (2013.01); **B41F 15/30** (2013.01)

Citation (search report)

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