Title (en)
LOADING TABLE FOR CONTAINER HANDLING MACHINES

Abstract (en)
1. Loading table at vessel treatment machines, in particular at vessel filling machines, preferably at bottle filling machines displaying one or more treatment stations, with a vessel inlet (1) for the vessels to be treated and a vessel outlet (4) for the treated vessels (2) as well as transport elements, which effect the vessel flow between the vessel inlet and the vessel outlet and of which at least one consists of a transport star (7, 11, 18) rotating about a vertical axis and of a securing element, wherein the transport star (7, 11, 18) in the region of a circumferential surface concentrically enclosing its rotational axis (6, 12, 19) possesses several recesses (25), which are open radially towards the circumference and display a uniform mutual spacing, for the transport of the vessels (2) along a transport section in the shape of a circular path from a transport star inlet to a transport star outlet and the securing element is arranged laterally at the transport section in the shape of a circular path and opposite the circumferential surface of the transport star (7, 11, 18), wherein the securing element is formed of at least one free length (26', 27', 28', 40', 40", 41', 41", 41'", 42', 42") of at least an outer belt-shaped element (26, 27, 28, 40, 41, 42), which forms a closed loop and circulates endlessly over rollers (29, 31, 43, 60) provided at the machine frame (38, 44, 59), characterised thereby, that the belt-shaped element (26, 27, 28, 40, 41, 42) by its free length (26', 27', 28', 40', 40", 41', 41", 41'", 42', 42") forming the securing element lies opposite the circumferential (22; 22') of the transport star (7, 11, 18) in a direction radially towards the rotational axis (6, 12, 19) and that the circumferential surface (22; 22') is formed in such a manner that - at least when the transport star (7, 11, 18) is not loaded with vessels - the free length (26', 27', 28', 40', 40", 41', 41", 41', 42', 42") of the belt-shaped element (26, 27, 28, 40, 41, 42) by its free length (26', 27', 28', 40', 40", 41', 41", 41'", 42', 42") in the tautened state bears against the circumferential surface (22; 22').

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