

Title (en)
Loading table for container handling machines.

Title (de)
Vortisch an Gefäßbehandlungsmaschinen.

Title (fr)
Table de chargement pour appareils de manutention des récipients.

Publication
EP 0256550 A1 19880224 (DE)

Application
EP 87111943 A 19870818

Priority
• DE 3628298 A 19860820
• DE 3717338 A 19870522

Abstract (en)
[origin: EP0256550B1] 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').

Abstract (de)
Bei einem Vortisch an Gefäßbehandlungsmaschinen, insbesondere an Gefäßfüllmaschinen ist wenigstens einer der den Gefäßfluß zwischen Gefäßeinlauf und Gefäßauslauf bewirkenden Transportelemente als ein um eine vertikale Achse umlaufender Transportstern (7, 11, 18) ausgebildet, der an seiner kreisbahnförmigen Transportstrecke von einem Sicherungselement zum Halten der Gefäße umschlossen ist. Das Sicherungselement ist von wenigstens einer freien Länge (26', 27', 28') wenigstens eines endlos umlaufenden und gespannten bandförmigen Elementes (26, 27, 28) gebildet, das mit dieser freien Länge (26', 27', 28') der Umfangsfläche des Transportsternes (7, 11, 18) gegenüberliegt und bei mit Gefäßen (2) unbeschiedtem Transportstern (7, 11, 18) sich an der Umfangsfläche des Transportsternes sowie bei mit Gefäßen (2) beschiedtem Transportstern (7, 11, 18) an diesen Gefäßen abstützt.

IPC 1-7
B67C 3/02

IPC 8 full level
B08B 9/20 (2006.01); **B67C 3/02** (2006.01); **B67C 7/00** (2006.01)

CPC (source: EP US)
B08B 9/205 (2013.01 - EP US); **B67C 7/004** (2013.01 - EP US); **B67C 2007/006** (2013.01 - EP US); **B67C 2007/0066** (2013.01 - EP US)

Citation (search report)
• US 3957154 A 19760518 - SHIBA KIKUO
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• DE 615215 C 19350629 - CHRISTIAN MAJER

Cited by
EP0520895A1; US5261207A

Designated contracting state (EPC)
BE DE ES FR GB IT NL

DOCDB simple family (publication)
EP 0256550 A1 19880224; **EP 0256550 B1 19900808**; DE 3717338 A1 19880303; DE 3764220 D1 19900913; ES 2017083 B3 19910101; US 4909377 A 19900320

DOCDB simple family (application)
EP 87111943 A 19870818; DE 3717338 A 19870522; DE 3764220 T 19870818; ES 87111943 T 19870818; US 8741787 A 19870820