

Title (en)

A device for filling and subsequent sealing of a capsule chain supplied in a flat-folded state from a supply coil.

Title (de)

Vorrichtung zum Füllen und nachfolgenden Versiegeln einer Kapselkette, zugeführt in flachgefaltetem Zustand von einer Vorratsspule.

Title (fr)

Appareil pour le remplissage et le scellage subséquent d'une chaîne à capsules, amenée d'une bobine d'alimentation dans un état plié à plat.

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EP 0449365 A1 19911002 (EN)

Application

EP 91200648 A 19910322

Priority

NL 9000696 A 19900323

Abstract (en)

A device for filling and subsequent sealing of a capsule chain, (2) in a flat-folded state from a supply coil (1) comprising a pair of cooperating drawing rollers (8) which are mounted for rotation about vertical axes, a travelling space connected to the outlet side of said rollers and confined by the opposite runs of a pair of upright positioned endless conveyor belts (13) filling means being provided above said space and a welding station (25) being connected to the outlet end of said travelling space, equipped with a pair of welding beams (25) positioned one opposite the other and extending in the travelling direction, perforations being provided in the outer surfaces of the drawing rollers, through which said surfaces are connected to a source of sub-atmospheric pressure at the outlet side of the roller pair, said opposite belt runs being also subjected to a source of sub-atmospheric pressure through perforations provided in supporting walls for said belt runs. According to the invention two endless belts (6) are provided between the supply coil (1) and the drawing roller pair (8) adjacent the upper edge of the capsule chain (2) said belts being positioned in a horizontal plane and mating with grooves in the circumferential surface of the respective, driven drawing rollers, the adjacent runs of said belts being adapted to clamp the upper edge of the capsule chain between them, while at the outlet end of the travelling space there is also at least one pair of endless belts positioned on either side of the path of the capsule chain in a substantially horizontal plane adjacent the upper edge of the capsule chain, said belts being guided about pulleys adapted to be driven at a speed corresponding to the drawing off speed. <IMAGE>

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IPC 8 full level

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CPC (source: EP)

B65B 43/123 (2013.01)

Citation (search report)

- [X] US 3699746 A 19721024 - TITCHENAL OLIVER R, et al
- [Y] EP 0071736 A1 19830216 - FOCKE & CO [DE]
- [A] US 3817017 A 19740618 - TITCHENAL O
- [A] US 3583127 A 19710608 - MARCHAND JACQUES J

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EP 0449365 A1 19911002; EP 0449365 B1 19931124; AT E97626 T1 19931215; CA 2057902 A1 19910923; DE 69100669 D1 19940105; FI 915506 A0 19911122; HU 913617 D0 19920728; HU T67484 A 19950428; JP H04506332 A 19921105; NL 9000696 A 19911016; WO 9114622 A1 19911003

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