

Title (en)

Apparatus for the heat shrinking of thermoplastic sleeves on containers.

Title (de)

Vorrichtung zum Wärmeschrumpfen von thermoplastischen Hülsen auf Behältern.

Title (fr)

Appareillage pour la rétraction à chaud de manchons thermoplastique autour de récipients.

Publication

**EP 0058602 A1 19820825 (FR)**

Application

**EP 82400224 A 19820209**

Priority

FR 8102809 A 19810213

Abstract (en)

1. Apparatus for hot shrinking of thermoplastic sleeves around the surface of containers traveling on a conveyor comprising a tunnel (1) in which the conveyor (3) provided with the containers (4) passes and which tunnel is divided into three contiguous communicating zones, said zones consisting of a preheating zone or chamber (A), a shaping chamber (B) and a finishing chamber (C); the inferior part of the tunnel comprising a blower (7) drawing its delivery air from the preheating chamber (A) by a piping (9); the apparatus being characterized in that, on an expansion vessel (10) which is closed by a perforated plate (11) above the blower (7), are erected a series of flexible hollow tubes (12), at least most of said tubes having a nozzle (14) for blowing air there from; said nozzles, which are orientable in all directions, being located in the shaping chamber (B) during the operation while at least one flexible tube (12') is connected to a diffuser (15), fixed or movable, located in the finishing chamber (C) and the pressurized output air from which constitutes a barrier forcing the hot air from the shaping chamber (B) to flow into the preheating chamber (A).

Abstract (fr)

L'appareil comprend essentiellement : un tunnel (1) dans lequel circule un convoyeur (3) à récipients (4) et divisé en trois zones contigües communicantes (A, B, C); un ventilateur (7) puissant son air dans la zone ou chambre de préchauffe (A) et muni d'un vase d'expansion (10) fermé par une plaque perforée (11) sur laquelle se raccordent des tubes flexibles (12) recevant des buses (14) de soufflage d'air qui, orientables en toutes directions, travaillent sur le récipient manchonné dans la chambre de rétreint (B); un tube flexible (12') est relié à un diffuseur (15) qui permet de favoriser l'écoulement de l'air chaud vers la chambre de préchauffe (A). Les buses (14) ou le boîtier (10) sont munis de résistances chauffantes. Application à la thermorétraction d'emballages de produits sur lesquels on a déposé des manchons décoratifs lâches en matière thermoplastique.

IPC 1-7

**B65B 53/06**

IPC 8 full level

**B65B 53/06** (2006.01)

CPC (source: EP)

**B65B 53/063** (2013.01)

Citation (search report)

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