

Title (en)

Sealing device for a tunnel oven, wagon and tunnel oven for this sealing device.

Title (de)

Dichtungseinrichtung für einen Tunnelofen, Wagen und Tunnelofen für diese Dichtungseinrichtung.

Title (fr)

Dispositif d'étanchéité pour four-tunnel, et wagons et four-tunnel agencés pour l'obtention de ce dispositif.

Publication

EP 0086693 A1 19830824 (FR)

Application

EP 83400231 A 19830204

Priority

FR 8202294 A 19820212

Abstract (en)

[origin: ES8401614A1] There is disclosed a tunnel oven which comprises a base, a guide provided on the base to guide the movement through the oven of wagons bearing product to be treated in the oven, side walls connected to the base and a roof connected to the upper ends of the side walls in order to define a treatment chamber. Each wagon comprises a base for supporting product to be treated, and wheels supporting the wagon base and engageable with the guide. The base of the oven includes a trough containing a liquid, and each wagon has a skirt depending from the wagon base which defines an under chamber below the wagon base and which has its lower edge continuously immersed in the liquid as the wagon moves through the treatment chamber. A train of wagons can thus pass through the oven, with the under chamber of each wagon sealed-off from the oven treatment chamber, whereby the wagon bases, or product carried thereby, effectively form a lower face of the treatment chamber. The skirts depending from each wagon base are formed by metal blades which extend downwardly from the longitudinal and transverse end walls of the wagon bases.

Abstract (fr)

Selon l'invention, un joint d'étanchéité hydraulique continu est obtenu autour de chaque wagon reçu dans un four-tunnel en équipant le wagon d'une jupe continue constituée de tôles-bêches latérales (9) et de tôles-bêches transversales (10) solidarisées et dont le bord inférieur (11) est constamment plongé dans un liquide caloporteur contenu dans une fosse (16) aménagée dans le four et au fond de laquelle s'étendent les rails (5) sur lesquels circulent les wagons. Application aux wagons et fours-tunnels de tuileries, briquetteries, etc.

IPC 1-7

F27B 9/26

IPC 8 full level

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CPC (source: EP US)

F27D 99/0076 (2013.01 - EP US)

Citation (search report)

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