

Title (en)
APPARATUS FOR THE HEAT-WELDING OF THE SUPERIMPOSED EDGES OF THERMOPLASTIC FILM

Title (de)
VORRICHTUNG ZUM WÄRMESCHWEISSEN DIE AUFLIEGENDE KANTEN EINES THERMOPLASTISCHEN FILMS

Title (fr)
APPAREIL POUR LE THERMOSOUDEGE DE BORDS SUPERPOSES DE FILM THERMOPLASTIQUE

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Application
EP 99936536 A 19990715

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• IT BO980488 A 19980805

Abstract (en)
[origin: WO0007882A1] The product (P) to be heat-welded is inserted between a pair of conveyors which are arranged one above the other and are both motorized and horizontal, the upper conveyor (2) performing the opposing function, while the lower conveyor (1) is formed by a plurality of spaced parallel rollers (14) arranged in succession and having a body (214) made of suitable resilient and yielding material such that, as a result of the pressure exerted by the said opposing conveyor, the rollers of the lower conveyor are deformed and are adapted to the irregularities on the bottom surface of the packaged tray and this surface is subjected to a uniformly distributed pressure. Some of the rollers (14") of the lower conveyor may oscillate about a parallel axis, in opposition to resilient means (20) which keep them raised, so that these rollers may exert a correct degree of pressure also on the front side and on the rear side of the packaging. The heat for the heat-welding operation is produced by infrared-ray generators (32) which are located underneath the rollers of the lower conveyor (1) and which emit radiation at a wavelength suitable for the film to be welded.

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