

Title (en)  
FOLDING APPARATUS AND PACKAGING MACHINE HAVING A FOLDING APPARATUS

Title (de)  
FALZAPPARAT UND VERPACKUNGSMASCHINE MIT EINEM FALZAPPARAT

Title (fr)  
APPAREIL DE PLIAGE ET MACHINE D'EMBALLAGE DOTÉE D'UN APPAREIL DE PLIAGE

Publication  
**EP 4357253 A1 20240424 (EN)**

Application  
**EP 23203285 A 20231012**

Priority  
IT 202200021399 A 20221018

Abstract (en)  
There is described a folding apparatus (16) for producing finalized packages (2) from semi-finalized packs (5) and comprising a plurality of retaining pockets (32) and a conveying device (33) configured to advance the retaining pockets (32). Each retaining pocket (32) comprises a respective fin folding device (48) configured to fold a respective sealing fin (8) of the semi-finalized package (5) from an unfolded position to a folded position in which the sealing fin (8) is folded onto and/or towards a central main body (9) of the semi-finalized package (5). Each fin folding device (48) comprises a free space (49) for receiving the sealing fin (8) in the unfolded position at the receiving station (34) and a folding element (50) moveable between a rest position in which the folding element (50) frees the free space (49) and an active position in which the folding element (50) interacts with the sealing fin (8) for moving the sealing fin (8) to the folded position. The folding apparatus (16) further comprises an actuation unit (51) configured to set the folding element (50) in the rest position at the receiving station (34) and to move the folding element (50) from the rest position to the active position during advancement of the respective retaining pocket (32) from the receiving station (34) and along the endless path (R).

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CPC (source: EP)  
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Citation (search report)  
• [A] EP 1726526 A1 20061129 - TETRA LAVAL HOLDINGS & FINANCE [CH]  
• [A] EP 4032819 A1 20220727 - TETRA LAVAL HOLDINGS & FINANCE [CH]  
• [A] EP 0061663 A2 19821006 - TETRA PAK INT [SE]

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Designated extension state (EPC)  
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