

Title (en)  
HIGH SPEED STACKING AND PACKAGING APPARATUS

Publication  
**EP 0160825 B1 19880309 (EN)**

Application  
**EP 85103662 A 19850327**

Priority  
US 59943184 A 19840412

Abstract (en)  
[origin: EP0160825A1] A product (4) stacking apparatus for high speed packing of packaged units which includes an infeed conveyor means (2), a vertically movable product elevator (4) immediately adjacent the infeed conveyor means, a product stacking means for periodically transferring product units from the infeed conveyor to the elevator and an elevator moving means for moving the elevator downwardly between the transfer operation of the product stacking means to stack the product units in a predetermined number of layers and returning the elevator upwardly when the stack is pushed from the elevator. A second conveyor is positioned adjacent to the elevator at a height such that the surface of the second conveyor is essentially coplanar with the elevator when it is in the fully descended position. A pusher means (30) is also used in the present apparatus for sliding the stacked layers of product units from the elevator onto the second conveyor. The pusher means includes spaced product engaging members which move between the spaced vertical product supporting members of the elevator and a pusher actuating means for extending and retracting the pusher means.

IPC 1-7  
**B65B 35/50**

IPC 8 full level  
**B65B 35/50** (2006.01)

CPC (source: EP)  
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Cited by  
CN103754437A; BE1002612A3; CN102020030A; GB2200335A; US4854111A; WO9611139A1

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