

Title (en)  
Product grouping station

Title (de)  
Produktgruppierungsstation

Title (fr)  
Station de regroupement de produits

Publication  
**EP 2165934 A3 20100331 (EN)**

Application  
**EP 09170928 A 20090922**

Priority  
IT BO20080579 A 20080923

Abstract (en)  
[origin: EP2165934A2] A product grouping station (1), of the type that comprises a product pickup and conveyance member (2), a unit (3) for forming groups of products and a compaction apparatus (4). The station (1) comprises at least one movable carriage (5), which is arranged downstream of the pickup and conveyance member (2), for insertion in at least one compartment (6) of the products to be grouped, a pusher (7) for transferring the groups of products in the compaction apparatus (4). The compaction apparatus (4) comprises at least one lateral face (8) that can perform a translational motion from a maximum distance with respect to the face (9) that lies opposite thereto to a minimum distance, in order to reduce the overall bulk of the group.

IPC 8 full level  
**B65B 35/40** (2006.01); **B65B 63/02** (2006.01); **B65G 47/64** (2006.01); **B65H 29/50** (2006.01); **B65H 31/06** (2006.01); **B65B 25/14** (2006.01)

CPC (source: EP)  
**B65B 35/40** (2013.01); **B65B 63/02** (2013.01); **B65H 29/14** (2013.01); **B65H 29/50** (2013.01); **B65H 29/60** (2013.01); **B65H 31/06** (2013.01); **B65H 31/24** (2013.01); **B65B 25/141** (2013.01); **B65H 2301/33212** (2013.01); **B65H 2301/33222** (2013.01); **B65H 2701/1924** (2013.01)

Citation (search report)

- [Y] US 6170635 B1 20010109 - ROMMELLI GUIDO [IT]
- [Y] EP 1619128 A1 20060125 - KAIBEL & SIEBER MASCHF GMBH [DE]
- [A] DE 102006045087 A1 20080327 - FOCKE & CO [DE]
- [A] EP 1216923 A1 20020626 - GAMBERINI GIANLUIGI [IT]
- [A] EP 0501382 A2 19920902 - RUSINA VIRGINIO SPATOLISANO FR [IT]

Cited by  
EP3495279A1; CN107672846A; US9056726B2; WO2023099067A1; WO2015167373A1; WO2019110324A1; WO2013000527A1; ITBO20120417A1; CN111417579A; JP2021505483A

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Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
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