

Title (en)
Product dispenser assembly and cartridge for holding product

Title (de)
Produktpenderanordnung und Kartusche zum Halten von Produkten

Title (fr)
Ensemble distributeur de produit et cartouche pour contenir un produit

Publication
EP 2545814 A1 20130116 (EN)

Application
EP 12188154 A 20090826

Priority
• EP 09848834 A 20090826
• US 2009055082 W 20090826

Abstract (en)
A product dispenser assembly for dispensing products contained in shipping trays having a front wall, a back wall and side walls, the assembly comprising: a) at least one support platform, having an upper surface for supporting at least one shipping tray, a lower surface, a front edge, a rear and a depth between the front edge and the rear which is at least as long as a length between the front wall and the back wall of a shipping tray; b) a stop wall located at the front edge of the support platform; c) a plurality of row dividers extending across the support platform, for aligning shipping trays on the support platform; d) a feed mechanism which, when there is one support platform, is supported above the upper surface of the support platform, and which, when there is more than one support platform, is mounted upon the lower surface of at least one of the support platforms above the upper surface of the next-lower support platform, comprising: i) a pusher plate depending downward from the feed mechanism toward the upper surface of the support platform, the pusher plate being moveable along a linear support from a rearward position adjacent to the rear of the support platform to a forward position adjacent to the front edge of the support platform, the pusher plate having a length short enough such that the pusher plate does not contact the back wall of a support tray on the support platform but long enough that the pusher plate contacts the products in the shipping tray; and ii) a bias mechanism for biasing the pusher plate along the linear support from the rearward position toward the forward position; such that when a shipping tray bearing products is placed upon the support platform between the row dividers, pushing the pusher plate toward its rearward position against the bias mechanism, the products in the shipping tray are pushed toward the front wall of the tray by the pusher plate.

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CPC (source: EP)
A47F 1/087 (2013.01); **A47F 1/126** (2013.01); **B65D 5/725** (2013.01)

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