

Title (en)

Empty-bag group accommodation tray, tray transporting container, empty-bag group conveying and supplying method and system

Title (de)

Tray zur Aufnahme leerer Beutel, Transportbehälter für Trays, Verfahren und Vorrichtung zum Transportieren und Bereitstellen von Beutelgruppen

Title (fr)

Barquette de stockage de sachets vides, conteneur de transport de barquettes, procédé et dispositif de transport et d'approvisionnement de groupes de sachets

Publication

EP 1607332 A1 20051221 (EN)

Application

EP 05012935 A 20050616

Priority

JP 2004180203 A 20040617

Abstract (en)

An empty-bag group supply system in which at a bag maker, a plurality of empty bags (W) are placed in a stacked state in which these bags are shifted in the direction of length of a bag in a bag accommodation tray (1) whose width is substantially the same as the width of the empty bags and whose length is sufficiently longer than the length of the empty bags, and this bag accommodation tray (1) is sent to a package maker; and at the package maker, the stacked empty bags are removed from the bag accommodation tray (1) and placed "as is" on the conveyor (12) of a conveyor magazine type empty-bag supply apparatus. The bag accommodation tray (1) is formed with a rectangular hole (4) in the bottom plate (2); and upon taking out the empty-bags (W), an extraction member is raised from below via the hole (4) and lifts the empty bags (W) from the bag accommodation tray (1). <IMAGE>

IPC 1-7

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IPC 8 full level

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CPC (source: EP US)

B65B 43/14 (2013.01 - EP US)

Citation (search report)

- [Y] EP 0614823 A1 19940914 - DOLCIARIA ZAGHIS SRL [IT]
- [Y] US 6345718 B1 20020212 - MINOGUE GERARD R [US]
- [Y] US 5180277 A 19930119 - PEARCE RONALD A [US], et al
- [A] WO 9915415 A1 19990401 - LINPAC PLASTICS LTD [GB], et al
- [A] US 3780892 A 19731225 - FRANK E
- [XAY] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 12 26 December 1996 (1996-12-26)

Cited by

CN103010761A; CN105173624A; CN103523272A; KR102023527B1; CN102491096A; CN112722869A

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