

Title (en)

Method and apparatus for inserting bags into retainers

Title (de)

Verfahren und Vorrichtung zum Einsetzen von Beuteln in Halter

Title (fr)

Procédé et dispositif pour insérer des sachets dans des éléments de retenue

Publication

EP 1245492 A1 20021002 (EN)

Application

EP 02007135 A 20020328

Priority

JP 2001096221 A 20010329

Abstract (en)

In a method and apparatus for inserting empty bags (1) into retainers (2), guide members (3, 4) are caused to approach both side edges of each supplied bag (1) so that the vertically oriented guide grooves of the guide members contacted the side edges of the bag (1), thus positioning the bag (1) in a position that is vertically aligned with a retainer (2). The bag mouth is opened by suction disks (5, 6), and a plug (7) is brought into the opened bag mouth. Then, the plug (7) is lowered toward the retainer (2), so that both side edges of the bag (1) is inserted into the insertion grooves of the retainer (2). After this insertion, a compressed gas is jetted out of a discharge opening at the tip end of the plug (7) into the bag (1), so that the bag (1) is spread open to the bottom thereof. <IMAGE>

IPC 1-7

B65B 43/50; **B65B 43/30**

IPC 8 full level

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Citation (applicant)

- JP 2000042630 A 20000215 - MIYAZAKI IRON WORKS LTD
- JP 2000318713 A 20001121 - TOYO JIDOKI KK
- JP 2000302106 A 20001031 - TOYO JIDOKI KK

Citation (search report)

- [X] GB 749897 A 19560606 - HESSER AG MASCHF
- [DA] EP 1035022 A1 20000913 - TOYO JIDOKI KK [JP]
- [DA] JP 2000142630 A 20000523 - SHIKOKU KAKOKI CO LTD
- [A] US 4473989 A 19841002 - TSUTSUMI YOTARO [JP], et al

Cited by

EP1862389A1; EP1770018A1; CN109204953A

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