

(19)



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(11)

EP 1 616 792 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
12.04.2006 Bulletin 2006/15

(51) Int Cl.:
B65B 1/06 (2006.01)

(43) Date of publication A2:
18.01.2006 Bulletin 2006/03

(21) Application number: **05015011.9**

(22) Date of filing: **11.07.2005**

(84) Designated Contracting States:
**AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI
SK TR**
Designated Extension States:
AL BA HR MK YU

(30) Priority: **15.07.2004 JP 2004208360**

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(54) **A contents-filling vessel reversing apparatus and a vessel for use with the apparatus**

(57) A contents-filling apparatus for use in a bag packaging machine. The apparatus comprises a reversing device including a rotating device for rotating intermittently a main rotating member (9,10) around an axis thereof in one direction and for stopping the rotating member at a first and a second positions, and a pair of gripping members (16,17) attached to the rotating device and being capable of gripping and releasing said vessel (Y). The gripping members are designed to stop at a gripping stop position where said gripping members can grip a vessel in an upright state when said main rotating member stops at the first stop position, and stop at a reversal stop position where said vessel is held in a nearly inverted state when said main rotating member stops at the sec-

ond positions. The apparatus further comprises a reversal stop position regulating device (45) for regulating said reversal stop position, an empty vessel carrying-out device provided at an empty vessel discharging position on the way along which said gripping members returns from said reversal stop position to said gripping stop position, said empty vessel carrying-out device receiving an empty vessel and transferring it to downstream process; and a gripping member opening/closing apparatus for making said gripping members close to grip a vessel and for making said gripping members opens, thereby discharging the empty vessel towards an empty vessel carrying-out device.

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EUROPEAN SEARCH REPORT

Application Number
EP 05 01 5011

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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 21 February 2006	Examiner Grentzius, W
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons</p> <p>& : member of the same patent family, corresponding document</p>			

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EPO FORM 1503 03/82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
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