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(71) Applicant: Acqua Minerale San Benedetto S.P.A.
30037 Scorzè' (IT)

(72) Inventor: Zoppas, Matteo
31015 Conegliano Veneto TV (IT)

(74) Representative: Modiano, Micaela Nadia et al
Modiano & Partners
Via Meravigli, 16
20123 Milano (IT)

(54) UPRIGHTER WITH SELECTION, PARTICULARLY FOR CONTAINERS MADE OF PLASTIC, SUCH AS BOTTLES AND THE LIKE

(57) An uprighter with selection (10), particularly for containers (11) made of plastics, such as bottles and the like, comprising
- a carousel (12) for conveying containers (11),
- at least one sensor (13) for detecting nonconformities of containers (11) conveyed by the carousel (12),

- at least one identifier of the location (A) of a nonconforming container (11a), in the carousel (12), reported by the sensor (13),
- at least one device (14) for expelling containers (11) carried by the carousel (12) in the location (A), indicated by the at least one identifier as the location of a nonconforming container (11a).

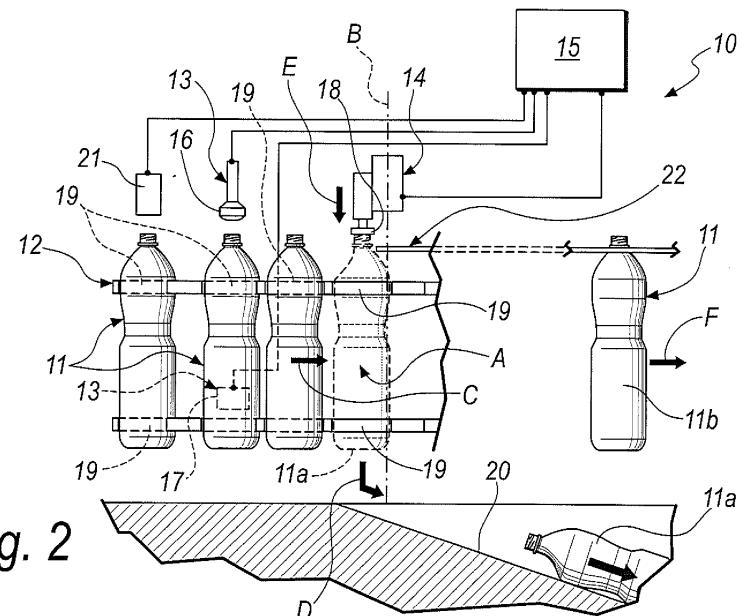


Fig. 2



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EUROPEAN SEARCH REPORT

Application Number
EP 10 16 2634

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (IPC)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	US 3 651 937 A (KRONSEDER HERMANN) 28 March 1972 (1972-03-28) * abstract; figures * * column 4, line 1 - line 49 * -----	1-4	INV. B07C5/34
X	US 4 158 625 A (TAKAHASHI TOSHIO ET AL) 19 June 1979 (1979-06-19) * column 4, line 41 - line 65; figures * -----	1,2,4	
Y	GB 1 215 087 A (OWENS ILLINOIS INC [US]) 9 December 1970 (1970-12-09) * figure 1 * * page 3, line 66 - line 72 * -----	3	
X	US 4 305 816 A (FLOOD JOHN M ET AL) 15 December 1981 (1981-12-15) * figure 2 * * column 14, line 46 - line 50 * -----	1,2,4	
Y	US 4 691 231 A (FITZMORRIS TYCE [US] ET AL) 1 September 1987 (1987-09-01) * column 5, line 3 - line 0; figures 1,2 * -----	3	TECHNICAL FIELDS SEARCHED (IPC)
Y	EP 1 510 809 A1 (SEIDENADER MASCHB GMBH [DE]) 2 March 2005 (2005-03-02) * paragraph [0011] * * paragraph [0017] * * paragraph [0034] * -----	3	B07C B65G
Y	US 4 915 237 A (CHANG ROGER [US] ET AL) 10 April 1990 (1990-04-10) * column 7, line 28 - line 30 * -----	3	
The present search report has been drawn up for all claims			
2	Place of search	Date of completion of the search	Examiner
	Munich	3 December 2010	Wich, Roland
CATEGORY OF CITED DOCUMENTS		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 & : member of the same patent family, corresponding document	
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			



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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

- Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

- All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

1-4

- None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).



**LACK OF UNITY OF INVENTION
SHEET B**

Application Number
EP 10 16 2634

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1, 2

Control of expelling device

2. claim: 3

Video cameras

3. claim: 4

Transducer

4. claim: 5

Pneumatic piston

5. claim: 6

Movable surface

ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.

EP 10 16 2634

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

03-12-2010

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