



(12) **EUROPEAN PATENT APPLICATION**

(21) Application number : **91310731.4**

(51) Int. Cl.<sup>5</sup> : **B67D 1/04, B01F 3/04, B67D 1/00**

(22) Date of filing : **21.11.91**

(30) Priority : **27.11.90 US 618382**

(43) Date of publication of application :  
**03.06.92 Bulletin 92/23**

(84) Designated Contracting States :  
**AT DE ES FR GB IT**

(88) Date of deferred publication of search report :  
**24.02.93 Bulletin 93/08**

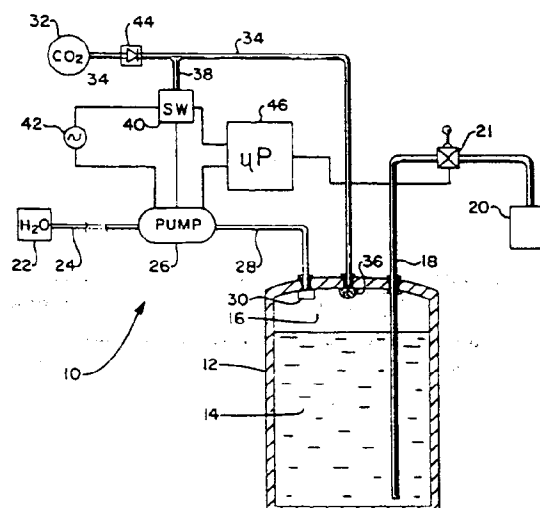
(71) Applicant : **ABC/TECHCORP, INC.**  
**451 Kennedy Road**  
**Akron, Ohio 44305 (US)**

(72) Inventor : **Shannon, Joseph W.**  
**7532 Diagonal Road**  
**Kent, Ohio 44240 (US)**  
Inventor : **Green, Thomas S.**  
**847 Hudson Road**  
**Kent, Ohio 44240 (US)**

(74) Representative : **Spall, Christopher John et al**  
**BARKER, BRETTELL & DUNCAN 138 Hagley**  
**Road**  
**Edgbaston Birmingham B16 9PW (GB)**

(54) **Carbonation system.**

(57) A carbonation system (10) is provided in which replenishment or recharging of the carbonation tank (12) is undertaken upon the basis of sensing and monitoring the CO<sub>2</sub> gas head pressure within the tank. No floats or liquid level sensors are employed. A pressure switch (40), monitoring the head pressure within the tank, is operative to turn a high pressure motor (26) on and off to appropriately introduce water into the carbonation tank as the need is dictated by changes in the pressure head. Such changes are an indication of either dispensing of soda, or the absorption of the CO<sub>2</sub> gas into the soda within the tank, both conditions indicating a need for replenishment of water into the soda tank. The addition of water to the carbonation tank may proceed as a function of pressure within the tank, as a function of the time period of a dispensing cycle, or as a combination of time and pressure.





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# PARTIAL EUROPEAN SEARCH REPORT

which under Rule 45 of the European Patent Convention  
shall be considered, for the purposes of subsequent  
proceedings, as the European search report

Application Number

EP 91 31 0731

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 5)
D,A	US-A-4 882 097 (SHANNON) * abstract; figure * ---	1,8	B67D1/04 B01F3/04 B67D1/00
A	US-A-2 371 431 (DI PIETRO) * page 2, line 8 - line 34 * ---	1,8	
A	US-A-4 632 275 (PARKS) * column 6, line 51 - column 7, line 19; figure 1 * -----	1,8	
			TECHNICAL FIELDS SEARCHED (Int. Cl. 5)
			B67D B01F
INCOMPLETE SEARCH			
<p>The Search Division considers that the present European patent application does not comply with the provisions of the European Patent Convention to such an extent that it is not possible to carry out a meaningful search into the state of the art on the basis of some of the claims</p> <p>Claims searched completely : Claims searched incompletely : Claims not searched : Reason for the limitation of the search:</p> <p>see sheet C</p>			
Place of search THE HAGUE		Date of completion of the search 07 DECEMBER 1992	Examiner MARTINEZ NAVAR
<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 ..... &amp; : member of the same patent family, corresponding document</p>			

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EP 91 31 0731

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INCOMPLETE SEARCH

Claims searched completely: 1-5,8

Claims not searched: 6,7,9,10

It is not explained how the gas is driven from the low pressure to the high pressure zone.

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Claims not searched: 11-17

No claims fees have been paid within the prescribed time limit.

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