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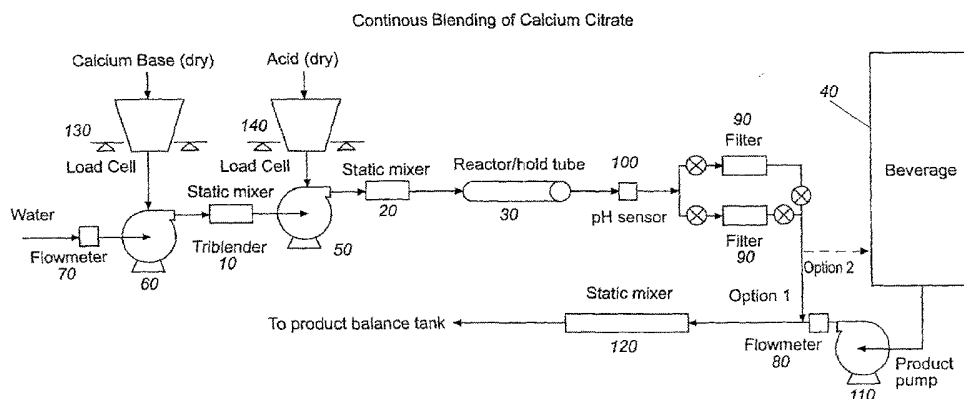
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PROCESS, APPARATUS AND COMPOSITION FOR CALCIUM FORTIFICATION OF BEVERAGES



(57) Abstract: Process, apparatus and composition for calcium fortification of beverages are provided. The methods comprise continuously blending in water a calcium source, preferably calcium hydroxide, and an acid source for a time sufficient to produce soluble calcium salts, but with minimal precipitation. The acid source is preferably citric acid. The calcium salt solution remains in an in-line retaining reaction hold tube for the necessary period to produce calcium salt in solution without significant precipitation, and is then continuously and immediately added to a non-dairy beverage, such as orange juice, to calcium fortify the beverage. The pH of the calcium salt solution can be monitored to optimize the amount of soluble salt and minimize the amount of precipitate.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 02/05146

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A23L2/52 C07C51/41 A23L1/304 A61K33/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A23L C07C A61K A47J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, FSTA, MEDLINE, BIOSIS, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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X	US 4 722 847 A (HECKERT DAVID C) 2 February 1988 (1988-02-02)	29
A	claims 1,2; figure 1 ---	1-28, 30-43
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	claims 1-7,13,14 ---	
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☒ Patent family members are listed in annex.

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International Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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