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(54) Title: METHOD OF DELIVERING AN ACTIVE COMPONENT TO A LIQUID FOODSTUFF IN A CONTAINER WITH A NARROW OPENING

(57) Abstract: Methods to deliver an active component to a liquid foodstuff in a container with a narrow opening, for example, a beverage in a bottle, are provided. More particularly, a method is provided for delivering an active component to a liquid foodstuff in a container with a narrow opening. This method includes the steps of a) positioning a nozzle of a spraying device that produces a spray when the spraying device is activated in the opening of the container such that the spray produced by the nozzle travels an axis substantially perpendicular to the surface of the liquid foodstuff in the bottle and b) spraying at least one unit dose of a solution containing a hydrophilic substance and a solvent onto the surface of the liquid foodstuff in the container using the spraying device. Using this method, the active component is dispersed throughout the liquid foodstuff without additional mixing.

INTERNATIONAL SEARCH REPORT

International application No
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A. CLASSIFICATION OF SUBJECT MATTER
INV. A23L1/236 B05B11/00

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)
A23L B05B

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, FSTA, WPI Data, BIOSIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/18239 A (TRAYLOR KEITH J [US]) 7 March 2002 (2002-03-07) * page 3, line 7 - page 8, line 28; figures 1-23; claims 1-19 *	1-20
X	US 2006/034978 A1 (DEEM GARY [US] ET AL) 16 February 2006 (2006-02-16) * examples 1-5; figures 1-5; claims 1-18 *	1-3,6, 8-10,12, 15,18,19
X	US 2004/086605 A1 (SOX THOMAS E [US]) 6 May 2004 (2004-05-06) * [0011] - [0026]; examples 1-6; claims 1-51 *	1-4, 6-16,18, 19

Further documents are listed in the continuation of Box C.

See patent family annex.

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p> DATABASE FSTA [Online] INTERNATIONAL FOOD INFORMATION SERVICE (IFIS), FRANKFURT-MAIN, DE; "Process for manufacture of encapsulated coffee aroma using solely ingredients extracted from coffee beans." XP002460713 Database accession no. 2002-00-h0864 abstract & FR 2 811 203 A1 11 January 2002 (2002-01-11) ----- </p>	1-20

INTERNATIONAL SEARCH REPORT

Information on patent family members

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WO 0218239	A	07-03-2002	AU 8845001 A	13-03-2002
US 2006034978	A1	16-02-2006	NONE	
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