

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
22 December 2005 (22.12.2005)

PCT

(10) International Publication Number
WO 2005/120320 A3

(51) International Patent Classification⁷: **A47G 19/34**,
G01F 11/24

(21) International Application Number:
PCT/US2005/019551

(22) International Filing Date: 3 June 2005 (03.06.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/576,931 4 June 2004 (04.06.2004) US

(71) Applicant and

(72) Inventor: **WIEGNER, Thomas, F.** [DE/US]; 36W548
Michael Court, St. Charles, IL 60175 (US).

(74) Agent: **LESAVICH, Stephen**; Lesavich High-Tech Law
Group, P.C., 39 S. LaSalle Street, Suite 325, Chicago, IL
60603 (US).

(81) Designated States (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,

GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,
MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ,
OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL,
SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC,
VN, YU, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

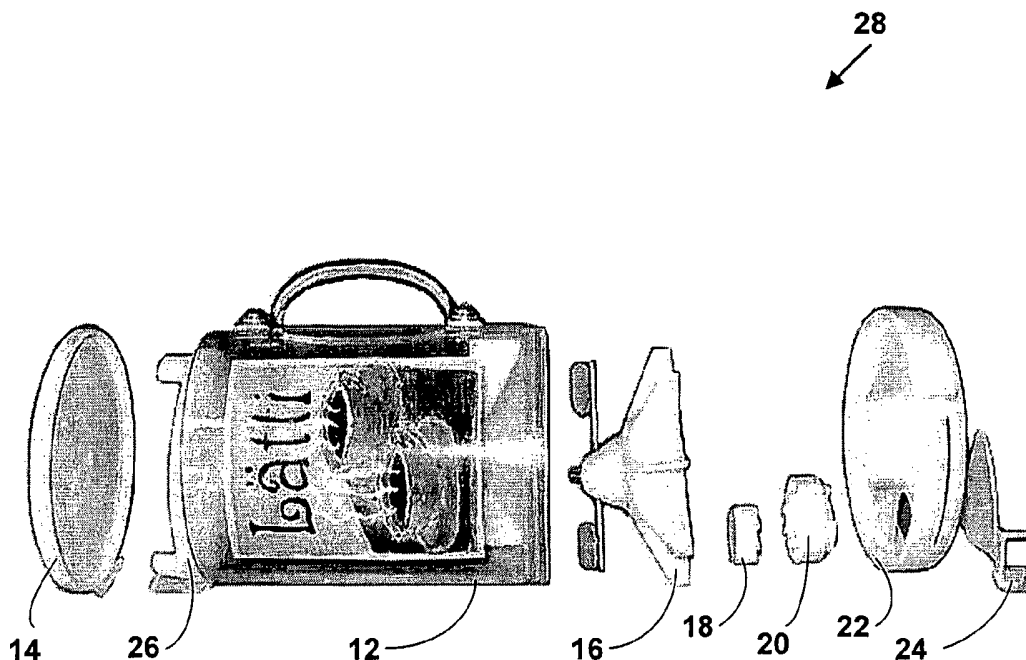
Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

(88) Date of publication of the international search report:
27 April 2006

*For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*

(54) Title: DISPENSING SYSTEM AND METHOD OF USE



(57) Abstract: A dispensing system and method of use. The dispensing system includes a freshness preserver plate that allows goods in ground, powder or granular form (e.g., coffee, flour, spices, sugar, salt, laundry detergent, plant fertilizer, etc.) to be easily dispensed, accurately measured and kept fresh with an airtight seal created by the freshness preserver plate during the dispensing process. The shape of the freshness preserver plate also helps dispense the goods while keeping contact of the goods with air outside the dispensing system to a minimum.

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2005/019551

A. CLASSIFICATION OF SUBJECT MATTER

A47G19/34 G01F11/24

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)

A47G G01F

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 4 893 737 A (BORJESSON ET AL) 16 January 1990 (1990-01-16) cited in the application column 3, line 18 - column 7, line 43; figures -----	1-20
Y	DE 85 31 151 U1 (PLUPPINS, HARRY, 4900 HERFORD, DE) 19 December 1985 (1985-12-19) the whole document -----	1-20
Y	DE 88 12 502 U1 (HOERNLEIN, REINHARD, 3450 HOLZMINDEN, DE) 15 December 1988 (1988-12-15) page 10, last paragraph - page 19 -----	1-20
Y	US 1 936 857 A (REISDORF EDWARD J) 28 November 1933 (1933-11-28) the whole document -----	1-20

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

10 March 2006

Date of mailing of the international search report

17/03/2006

Name and mailing address of the ISA/

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Politsch, E

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2005/019551

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4893737	A	16-01-1990	DE 3690512 C2	18-11-1999
			DE 3690512 T0	25-08-1988
			GB 2205552 A	14-12-1988
			WO 8702013 A1	09-04-1987
DE 8531151	U1	19-12-1985	NONE	
DE 8812502	U1	15-12-1988	NONE	
US 1936857	A	28-11-1933	NONE	