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(71) Applicant (for all designated States except US):
RECKITT BENCKISER (UK) LIMITED [GB/GB];
103-105 Bath Road, Slough, Berkshire SL1 3UH (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **ANDSERON, James** [GB/GB]; Reckitt Benckiser (UK) Limited, Dansom Lane, Hull HU8 7DS (GB). **DUDDINGTON, Andrea** [GB/GB]; Reckitt Benckiser (UK) Limited, Dansom Lane, Hull HU8 7DS (GB). **JIN, Wu** [GB/GB]; Reckitt Benckiser (UK) Limited, Dansom Lane, Hull HU8 7DS (GB). **WOOLLEY, Simon** [GB/GB]; Reckitt Benckiser (UK) Limited, Dansom Lane, Hull HU8 7DS (GB). **YE, Ivan** [CN/CN]; Travellers Hotel, Luwu Section, Dongguan, Guangdong 523900 (CN).

(74) Agents: **BOWERS, Craig, M.** et al.; Reckitt Benckiser plc, Legal Department-Patents Group, Dansom Lane, Hull HU8 7DS (GB).

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(54) Title: AEROSOL COMPOSITION AND METHOD

(57) Abstract: A method of dispensing periodic metered doses of a single phase aerosol composition wherein: the aerosol composition comprises a propellant and at least one active component selected from the group comprising fragrances, perfumes, air fresheners, deodorants and sanitisers; the metered dose spray rate is between 0.1 and 2 g/s of aerosol composition; and the mean particle size of each dose of the aerosol composition is between 1 µm and 40µm.



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INTERNATIONAL SEARCH REPORT

International application No PCT/GB2006/004067

A. CLASSIFICATION OF SUBJECT MATTER
 INV. A61L9/01 A61L9/14 C09K3/30

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)
 A61L C09K B65D A01M A01N

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/213818 A1 (HILVERT JENNIFER ELAINE [US] ET AL) 20 November 2003 (2003-11-20) paragraphs [0004], [0017], [0018], [0022], [0023], [0039], [0041], [0050], [0056], [0060]	1, 2, 5, 8-10, 12-14
A	EP 1 382 399 A (FUMAKILLA LTD [JP]) 21 January 2004 (2004-01-21) cited in the application paragraphs [0064], [0099], [0101], [0105], [0106], [0138], [0139]; claims 1-6; figure 4 ----- -/--	1-3, 5, 6, 8

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.
- *Z* document member of the same patent family

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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
 KATSOULAS, K

INTERNATIONAL SEARCH REPORT

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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	EP 0 420 538 A (AEROSOL INVENTIONS DEV [CH]) 3 April 1991 (1991-04-03) column 4, line 7 - line 35 column 6, line 50 - column 7, line 25; figure 8	1,5
A	----- WO 96/08425 A2 (DIAL CORP [US]) 21 March 1996 (1996-03-21) page 11, line 24 - line 32 page 12, line 23 - page 13, line 26	2,8-10, 14,15
X,P	----- WO 2006/005007 A (PROCTER & GAMBLE [US]; UCHIYAMA HIROTAKA [US]; BATES CHRISTOPHER EUGEN) 12 January 2006 (2006-01-12) page 2, line 3 - page 3, line 9 page 5, line 28 - line 29 page 8, line 13 - line 26 page 19, line 24 - page 20, line 3 page 25, line 22 - line 28 -----	1

INTERNATIONAL SEARCH REPORT

International application No.
PCT/GB2006/004067

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

see additional sheet

Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
- No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-16

Independent method claim 1 defines a method of dispensing periodic metered doses of single phase aerosol composition wherein :

the composition comprises a propellant and an active agent;
the metered dose spray rate is 0.1 to 2 g/s of composition;
the mean particle size of each dose of the composition is between 1 micrometer and 40 micrometers.

Claim 8 further defines the use of particular components and weight ranges of the composition for the method of claim 1.

2. claim: 17

Claim 17 defines a method of manufacture of an aerosol container comprising a composition according to claim 8 and further comprising the steps of:

combining active ingredient with non-propellant components to form a homogeneous mixture;
transferring the resultant mixture to an aerosol container;
sealing the container with a ; and
pressuring the container and mixture with the propellant.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No PCT/GB2006/004067

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