



(11) EP 1 650 290 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:

17.05.2006 Bulletin 2006/20

(51) Int Cl.:

C11D 17/04 (2006.01)

C11D 17/00 (2006.01)

(43) Date of publication A2:

26.04.2006 Bulletin 2006/17

(21) Application number: 05077105.4

(22) Date of filing: 19.09.2005

(84) Designated Contracting States:

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated Extension States:

AL BA HR MK YU

(30) Priority: 13.10.2004 EP 04077811

(71) Applicants:

• UNILEVER N.V.

3013 AL Rotterdam (NL)

Designated Contracting States:

AT BE BG CH CZ DE DK EE ES FI FR GR HU IS IT LT LU LV MC NL PL PT RO SE SI SK TR

UNILEVER PLC

London EC4P 4BQ (GB)

Designated Contracting States:

CY GB IE

(72) Inventor: Mostert, Johannes Korstiaan Adriaan 3133 AT Vlaardingen (NL)

(74) Representative: Kleiborn, Paul Erik et al Unilever Patent Group Olivier van Noortlaan 120 3133 AT Vlaardingen (NL)

(54) Process for preparing a cleaning tablet

(57) A method of preparing a cleaning tablet which has a plurality of discrete regions with different compositions, wherein at least a first region of the tablet is a smooth or semi-solid region and a second region is a solid region of compacted particulate material wherein the method comprises the steps of

a)placing a sheet of film over a forming die with at least one cavity; b)forming a recess in the film; c)introducing a fluid composition into the recess to form said first region; d)placing a solid composition on top of the first region to form the second region.



EUROPEAN SEARCH REPORT

Application Number EP 05 07 7105

Category	Citation of document with ir of relevant passa	ndication, where appropriate, ges		lelevant o claim	CLASSIFICAT APPLICATION	
Υ	WO 02/31099 A (UNII 18 April 2002 (2002 * page 1, line 1 - * page 5, line 7 - * page 12, line 24	2-04-18) line 31; claims * page 6, line 14 *	1-18		C11D17/00 C11D17/00	
Y	US 4 460 490 A (BAF 17 July 1984 (1984- * column 1, line 19 figures * * column 3, line 58	97-17)		18		
Y	US 4 569 781 A (FER 11 February 1986 (1 * claims; examples	.986-02-11)	1-	18		
Υ	EP 0 224 135 A (HEN KOMMANDITGESELLSCHA 3 June 1987 (1987-6 * page 9, line 14 -	AFT AUF AKTIEN) 06-03)	1-	18	TEOLINICAL	FIFI DO
х	EP 1 043 390 A (THE		12	,14	TECHNICAL SEARCHED	(IPC)
A	COMPANY) 11 October * paragraphs [0116]	2000 (2000-10-11) - [0121]; claims *		11,13, -18	C11D	
X Y	DE 102 33 564 A1 (H 16 October 2003 (20 * paragraph [0198];	003-10-16)	10 1-			
			11	-18		
X	DE 102 54 313 A1 (F9 June 2004 (2004-6) * paragraphs [0230] claims; figures *	06-09)	10	-18		
	The present search report has	been drawn up for all claims				
	Place of search	Date of completion of the search			Examiner	
	Munich	11 January 2006	11 January 2006 Hil			D
CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with anothe document of the same category A: technological background		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				



Application Number

EP 05 07 7105

CLAIMS INCURRING FEES
The present European patent application comprised at the time of filing more than ten claims.
Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):
No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.
LACK OF UNITY OF INVENTION
The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:
see sheet B
All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.
Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:



LACK OF UNITY OF INVENTION SHEET B

Application Number

EP 05 07 7105

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-9,14 - 18

Process for forming a multilayer tablet using a film comprising at least one cavity over a forming die, introducing a fluid (melt) into the cavity to form a first region of the tablet, followed by placing a solid composition on top of the first region (such that upon solidification of the melt, both regions are firmly bond together).

--

2. claims: 10,11,13-18

Multilayered tablet comprising a compacted layer and a smooth or semi-solid layer, which has a wrapping of a water-soluble film.

3. claims: 12-18

Multilayered tablet comprising a compacted layer and a smooth or semi-solid layer, which has a wrapping, wherein the distance between the wrapping and the tablet is from 0.1 to 1000 micrometers.

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 05 07 7105

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

11-01-2006

Patent document cited in search report		Publication date	Patent family member(s)			Publication date	
WO	0231099	A	18-04-2002	AU BR CA CN EP JP MX ZA	9189201 0114810 2425294 1479785 1325104 2004511626 PA03003257 200302694	A A1 A A1 T A	22-04-200 30-09-200 18-04-200 03-03-200 09-07-200 15-04-200 06-06-200 07-04-200
US	4460490	A	17-07-1984	AU CA DE EP GB NZ ZA	540392 7911081 1182371 3166646 0055100 2089830 199355 8108752	A A1 D1 A1 A	15-11-198 15-07-198 12-02-198 15-11-198 30-06-198 30-06-198 03-02-198 24-11-198
US	4569781	Α	11-02-1986	NONE			
EP	0224135	A	03-06-1987	CA DE JP US	1291918 3541147 62129396 4913832	A1 A	12-11-199 27-05-198 11-06-198 03-04-199
EP	1043390	Α	11-10-2000	AU WO	3571400 0061717		14-11-200 19-10-200
DE	10233564	A1	16-10-2003	AU WO	2003257463 2004013272		23-02-200 12-02-200
	10254313	A1	09-06-2004	AU WO	2003302122 2004046297		15-06-200 03-06-200

FORM P0459

 $\stackrel{\rm O}{=}$ For more details about this annex : see Official Journal of the European Patent Office, No. 12/82