

(19)
(12)

(KR)
(A)

(51) . Int. Cl.⁷
A61K 7/16

(11)
(43)

10-2004-0030663
2004 04 09

(21)	10-2003-7016144		
(22)	2003 12 10		
	2003 12 10		
(86)	PCT/IB2002/001449	(87)	WO 2002/100370
(86)	2002 04 26	(87)	2002 12 19

(30)	60/297,275	2001 06 11	(US)
------	------------	------------	------

(71)	-	201
	07950	

(72)	, ,	201
	07950	

	, ,	201
	07950	

(74)

:

(54)

, (, ,)
,

, ,

(breath mint), (mouthwash),

가 , 가 (active)

(LISTERINE)

(, ,) (,) , 4 가 (

가 , 가 ,

가

(shell) (core)

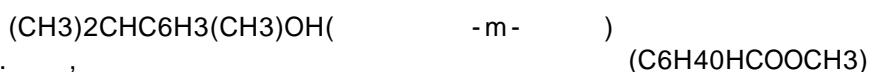
25

가 , 가

30 () 15 60 ,

30 um 2 mm, 70 um 110 um
 2 mm 9 mm, 3 mm 7 mm

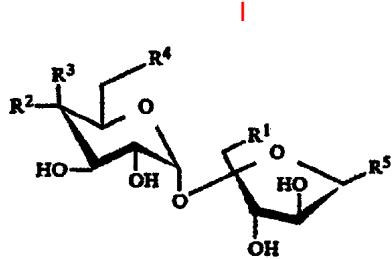
(cedar)



가
(CH₃C₆H₉(C₃H₇)OH;

1% 50% w/w, 5.0% 45%,
 10% 30%, , 15% 25% .
 , 0.001% 5% w/w, 가 0.01%
 3% w/w . , 0.001% 5% w/w, 가 0.
 3% w/w . , 0.1% 25% w/w, 가
 20% w/w, 3% 15% w/w . ,
 0.001% 5% w/w, 가 0.01% 3% w/w .

(I) 가)



, R¹
 5 R¹, R², R³ 4- R⁵ 2 가 D- ; R² R³
 ; , R¹, R², R³ R⁵ ; , R⁴ ; , R⁶

(I)

():

1. 1'- - 1'-

2. 4- - 4- - - D- - - D- [,

4- - 4-]

3. 4- - 4- - - D- - 1- - 1- - - D-

[, 4,1'- - 4,1- 4,1'-]

4. 1',6'- - 1',6'-

5. (Sucratose)(Company) 4- - 4- - - D- - 1,6- (McNeil Specialty Products - 1,6- - - D- [, 4,1',6'- - 4,1',6'-].]

6. 4,6- - 4,6- - - D- - 6- - 6- - - D- [, 4,6,6'-]

7. 6,1',6- - 6,1',6'-

8. 4,6- - 4,6- - - D- - 1,6- - 1,6- - - D- [, 4,6,1',6'- - 4,6,1',6'-].]

9. 4,6,1',6- - 4,6,1',6'-

,

가

, 4,343,934 가

, 4,435,440 , 4,389,394

0.01% 5%, 1% 0.1% 3% 0.001% . 10%,

가 가

가 , , , , 가
가 . , ()

(Neosorb) P 60 W oquette) , (Superol) 99.5%')	. . (Dow Chemical, Inc.), (Procter amp; Gamble)	p-60 , , (Emery Industries, Inc.) ,	(Company R , USP, 99.5%', 가 ' ,
, 1%	0.01% 4%	12%, .	0.5% 8%,

(alpha ionone).

0.15%

0.0005%	0.1%, 가	0.001%	0.05%				
,	,	(가)	가	:	,	:	,
,	(;),	, , , ;	,	,	,	,	;
,	, ; ;	, , , ;	(Stevia Rebaudiana)	(Stevioside);	,	,	;
,	, , ; L-	1 -	();	- ; L-	,	,	;
;	,	,	,	,	,	,	;
;	,	,	,	,	,	,	;
26,959	-6- -1-1-1,2,3-	-4- -2,2-	(가)	(-K), L-	3,6	-N-(2,	
2,4,4-	-3-)-D-	(Alitame),	(Talin))			(Pfizer)	
가);	((Talin))
	0.1%	10%,	0.35%	3%			
가 /					6,121,315		5,2
84,659							

ha), (prickly ash), (mayweed)(akkal-kad)

, 가 , , (Car
 bopol)(), (Plasdone)(), CMC, HEC, (Klucel)(),
 , (Gantrez)(), .
 , 4,900,522 ; 5,284,659 ; 5
 ,458,879 ; 5,989,535 ; 6,177,096 ; 6,200,604 ; 6,207,180 ; 6,210,705 ; 6,213,126

0.1% 15%, 1% 10%, 1% 7%
 가

가

가

1

[1]

	실시예 1	실시예 2	실시예 3	실시예 4
성분	%w/w	%w/w	%w/w	%w/w
겔라틴	12.570	12.320	15.070	5.250
솔비톨	2.060	2.050	----	----
아세슬팜 포타슘	0.1690	0.1920	----	----
수크라로오스	0.3960	0.4490	0.641	0.700
글리세린	----	----	2.04	2.04
물	0.485	0.550	0.600	0.575
향미	1-10	1-10	1-10	1-10
티몰	0.833	0.821	1.250	1.642
메틸 살리실레이트	0.712	0.700	1.068	1.400
유칼립톨	0.781	0.770	1.172	1.540
멘톨	12.439	12.261	16.159	21.522
네오베 M-5	QS 내지 100%	QS 내지 100%	QS 내지 100%	QS 내지 100%

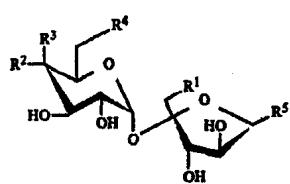
(57)

1.

a.) , , ;

b.) (I)

13



, R 1

; R² R³

; R 4

R₁, R₂, R₃ R₅ 2

; , R¹, R², R³ R⁵,

2

1 , , , , , 가

3.

1 2

4.

1 2 , 2 mm 9 mm , 가 30 um

5.

1 2 , 가

6.

1 2 , 60

7.

1 2 , 가

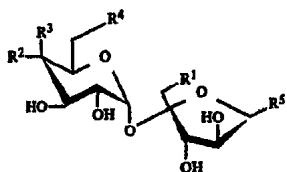
8.

a.) , , ;

b.) ;

c.) , 15%

가 가



. R 1

5 R¹, R², R³ 4- R⁵ 2 ; R⁴
; R¹, R², R³ R⁵ ; R

9.

2

a.) , , ;

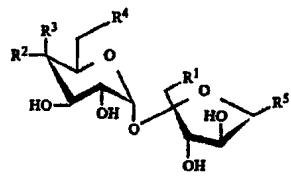
b.) (l) ;

c.)

1

가 1:1 9:1

< |>



, R¹ ; R² R³ , ; R⁴ , R⁵ .
R¹, R², R³ 4- R⁵ 2 ; , R¹, R², R³ R⁵ .
5 ; , R¹, R², R³ R⁵ .