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(12) (B1)

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(21) 10 - 1998 - 0023903 (65) 1999 - 0013446
(22) 1998 06 24 (43) 1999 02 25

(30) 9708281 1997 07 01 (FR)

(73)

, F - 75008, 14

(72)

가 75014 가 23
가 91440 6
08857 1

(74)

:

(54)

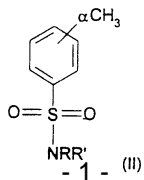
/ 가 /
:

(a) 1 ;

(b) 1 ;

(c) (2) 1 :

2



[,] R R , C₁ - C₆

(care) 1

가 / 가 , 가 가 1

) 가 N - -o,p- (EP - 154,679

가 , US - 5,227,155

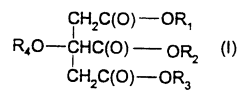
(1) () (2) ()

/ 가 :

(a) 1 ;

(b) (1) 1 :

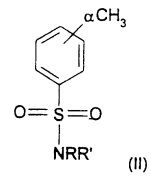
1



[, R₁, R₂ R₃ , , , C₁ - C₃₀
 R'₄ , R₁, R₂ R₃ , R₄) R'₄ - CO - (].

(c) (2) 1 :

[2]



[, , C₁ - C₆ R R' ,].

/ .

, , , , , (,), , .

:

- 가 ;
- , , ;
- , , , 4가 ; " RS" " SS"
- 3/4" RS" ; 1/4" RS" , 1/2" RS" , 1/2" SS"
- ;
- , , - ;
- ;
- , , / (- SO₃M NH₄⁺ Na⁺, Li⁺, K⁺, Mg²⁺, Ca²⁺, Cu²⁺, F⁻) . US - 3,734,874, US - 4,233,196 US - 4,304,901
- e²⁺ Fe³⁺ 가 , M ;

- ;

- , , , - , - , - ;

- ;

· , (guar gum), (karaya gum);

· (alginate) (carrageenate);

· ;

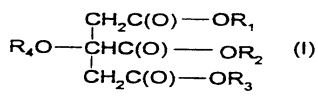
· (shellac resin), (sandarac gum), (dammar), (elemi) (copal);

- - , Santilite MHP Santolite
MS 80% ;

- () , () ;

(1)

[1]



[, R₁, R₂ R₃ , , , , C₁ - C₃₀
, R₁, R₂ R₃ ,

R₄ R'₄ - CO - (R'₄ C₁ - C₈].

(2 -)

(2) 가 , Sant
icizer 8 가 N - -o,p- (

(a), (1) (b) (2) (c)

1 (a) / [(b) + (c)] 4

1.5 (a) / [(b) + (c)] 2.5

(1) (b) (2) (c) :

0.3 (b)/(c) 3

0.8 (b)/(c) 1.5

%, 1 10 % 0.1 25

2 40 % 5 25 %

가 (1) (b) (2) (c) (camphor),

가

ent) (lake) (pearlescent pigm
(pearlescent pigment)

(cochineal carmine) (CI 75 470)

(CI 77 288), (CI 77 891),
(CI 77 499, CI 77492 CI 77491), (CI 77 742), (CI 77 007),
(CI 77 510), (CI 77 289),

(CI 77266) D & C (CI12085)

Na) (Al, Zr, Ca

:

D & C 21 (CI 45 380), D & C 5 (CI 45 370), D & C 27 (CI 45 410), D & C 10 (CI 45 425), D & C 3 (CI 45 430), D & C 7 (CI 15 850:1), D & C 4 (CI 15 510), D & C 33 (CI 17 200), D & C 5 (CI 19 140), D & C 6 (CI 15 985), D & C 5 (CI 61 570), D & C 10 (CI 77 002), D & C 3 (CI 42 053), D & C 1 (CI 42 090).

0.05 30 % , 0.5 5 % . 0.01 60 %

가 가 (, ,) /

40 μm ; 2 200 μm, 5 ;

70 μm , 0.1 5 μm, 0.2 3 μm (, , 가 , ;

) ; ; 30 μm 가 (satin) ;

; Nylon ()(Orgasol) ; Teflon(

); Expancel()(Nobel Industries) polytrap()(Dow Corning)

(, Toshiba Tospearls ()); 10 μm

(matt) ;

; 8 22 , 12 18

(metal soap), 10 μm , ,

;

0.01 90 % .

(oil - in - water) (water - in - oil) ,

(mousse)

0.01 30 % .

2 30 %

(locust bean) (gum),
 , 4 가
 /
 가
 0.1 50 % /
 (jojoba oil), (argan oil), (avocado oil), (bo
 rage oil) (essential oil)
 , 2 -
 0.01 95 % (binder)
 ; (petrolatum)
 , 2 - , 2 - (2 -) , 2 - , 2 -
 nated) ; (behenic acid), / (organofluori
 (linolenic acid), ; (linoleic acid),
 ; (microcrystalline)
 (spreading agent) 25 가 0.5 (50 Pa) "
 , Isopar() (E, G, L or H; Exxon Chemical) , Galden() (Montefluos)

2 가 20 %, 5 15 % ((1) (b), (2) (c) 가
 가)가 가
 , 2 -
 10 35 %
 5 20 %
 " RS" " SS"
 1/2" RS" , 1/2" SS" 3/4" RS" 1/4" RS" ,
 0 15 %
 HP() Santolite MS 80() Santolite M

가 가 가 , pH , 가 ,
 () 가 ,
 10 80 % 0 15 %

U.V.

1:

19 %

N - - o,p - 6 %

6 %

1 %

1.2 %

8 %

100 %

2:

:

	A	B	C
	20 %	20 %	20 %
N - -o,p-	12 %	-	6 %
	-	12 %	6 %
/ (50/50)	100 %	100 %	100 %

A -

45 1 4 가 .

0 10 가 :

0 = " "

10 = " "

	A	B	C
1	1	1	1
2	2	1	1
3	3	2	2
4	4	2	2

가 , N - -o,p-

B - (gloss)

Byk Gardner (Micro Tri Gloss Glossmeter) 60 °

A, B C , 1 % 가 A, B
C A', B' C'

	A	B	C
	80.9	69.8	80.1

	A'	B'	C'
	81.7	75.1	80.3

가 ,

1 , , , , , , , (,),

(57)

1.

가 :

(a) ;

- 가 ;

- , , ;

- , 4가 , ;

- ;

- , - ;

- ;

- , ;

- , ;

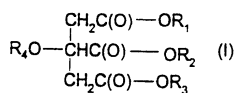
- ;

- ;

- - ;

(b) (1) :

[1]

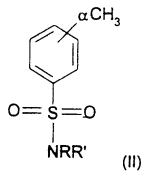


[, R₁, R₂ R₃ , , , C₁ - C₃₀ ;

R₄) R'₄ - CO - (, R'₄ , C₁ - C₈];

(c) (2) :

[2]



[, ;

R R' , , C₁ - C₆].

2.

1 , (1) (2 -) , , .

3.

1 2 , (2) N - -o,p- .

4.

1 2 , , , , , , .

5.

1 2 , 0.1 25 % .

6.

5 , 1 10 % .

7.

1 2 , 2 40 % .

8.

7 , 5 25 %

9.

1 2 , 0.01 60 %

10.

9 , 0.05 30 %

11.

10 , 0.5 5 %

12.

1 2 , , , , ,

13.

1 , .

14.

1 , .

15.

13 14 , 2 20 % 가

16.

15 , 5 15 % 가

17.

1 , R₁, R₂, R₃ C₂ - C₈ .

18.

1 2 , (1) , (2) N -

-o,p-

