

(19) (KR)  
(12) (B1)

(51) Int. Cl.<sup>7</sup>  
C08K 13/02

(45) 2003 08 19  
(11) 10-0394905  
(24) 2003 08 04

(21) 10-2001-0036185 (65) 2003-0000415  
(22) 2001 06 25 (43) 2003 01 06

(73) 2 290

(72) 857-704

1119 981-1205

17가2 707 101-810

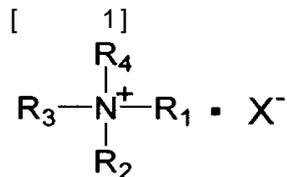
(74)

:

(54) 가

가 (A) 가 100 ; (B) (b<sub>1</sub>) 1  
0.1-20% (b<sub>2</sub>) 80-99.9%  
5-30 ; (C) 0-20 ; (D) 0-5

:



, R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>

가 C<sub>1</sub>-C<sub>30</sub> C<sub>1</sub>-C<sub>30</sub>, C<sub>6</sub>-C<sub>30</sub>, C<sub>6</sub>-C<sub>30</sub>; X

, 가



(B)  
(b<sub>1</sub>)

(layer silicate)

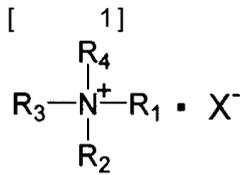
100 50-200

1 2  
가

1

(quaternary ammonium salt)

(organoclay)



R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>

가

C<sub>1</sub>-C<sub>30</sub>

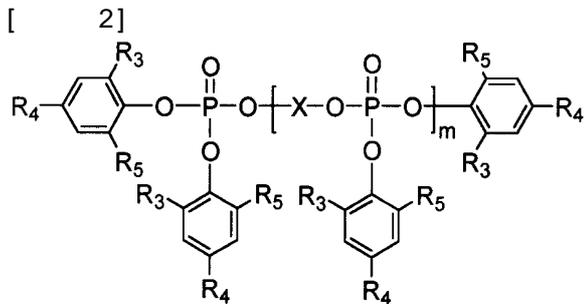
C<sub>1</sub>-C<sub>30</sub>, C<sub>6</sub>-C<sub>30</sub>

C<sub>6</sub>-C<sub>30</sub>, X

가 가

(b<sub>2</sub>)

2



R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub>  
C<sub>6</sub>-C<sub>20</sub>

C<sub>1</sub>-C<sub>4</sub>

X, C<sub>6</sub>-C<sub>20</sub>

-A

m

(2,6-  
(2,6-  
(2,6-  
)

)

)

(2,4,6-  
(2,4-  
(2,4-  
)

)

)

(2,4-  
(2,4-  
)

)

)

(2,6-  
(2,6-  
)

)

)

(2,6-  
(2,6-  
)

)

(b<sub>1</sub>)

(b<sub>2</sub>)

가

50 100  
XRD peak가

10

가

가

가

(b<sub>1</sub>)

0.1-20% (b<sub>2</sub>)  
(B) 가

(A)

100  
(C)

99.9-80%

, 5

30

가

(A), (B)

(C)

(B)

2

가

가

(B)







가

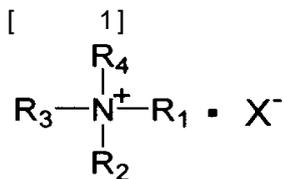
3.

1, (b<sub>1</sub>)

100 50-200

가

가 :



R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>  
; 1-5

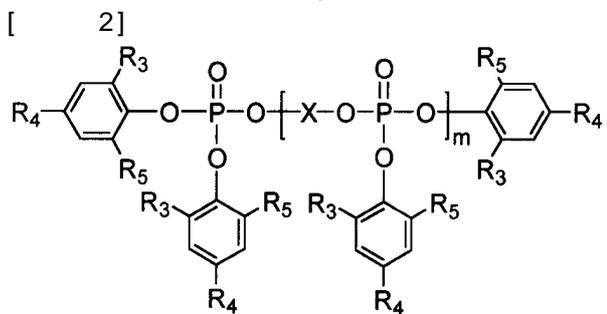
가 C<sub>1</sub>-C<sub>30</sub> C<sub>1</sub>-C<sub>30</sub>, C<sub>6</sub>-C<sub>30</sub>, C<sub>6</sub>-C<sub>30</sub>; X

4.

1, (b<sub>2</sub>) 2

가

:



R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub>  
C<sub>6</sub>-C<sub>20</sub>  
가 0 4

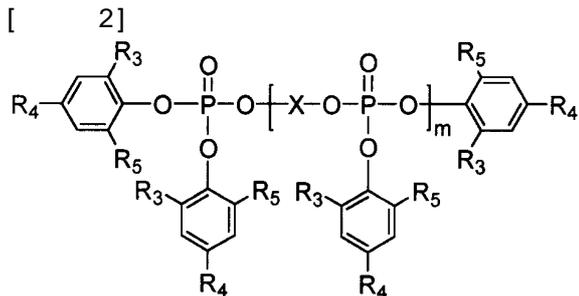
C<sub>1</sub>-C<sub>4</sub> -A ; X C<sub>6</sub>-C<sub>20</sub> ; m

5.

1, 가 (A) 100 (C) 20  
가

6.

5, (C) 2  
가 :



R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub>  
C<sub>6</sub>-C<sub>20</sub>  
가 0 4

C<sub>1</sub>-C<sub>4</sub> -A ; X C<sub>6</sub>-C<sub>20</sub> ; m

7.

1, 가 (A) 100 (D) 5  
가

8.

7, (D)가 가

9.

1, 가 (A) 100 가, / 가 50 가