Fig. 1

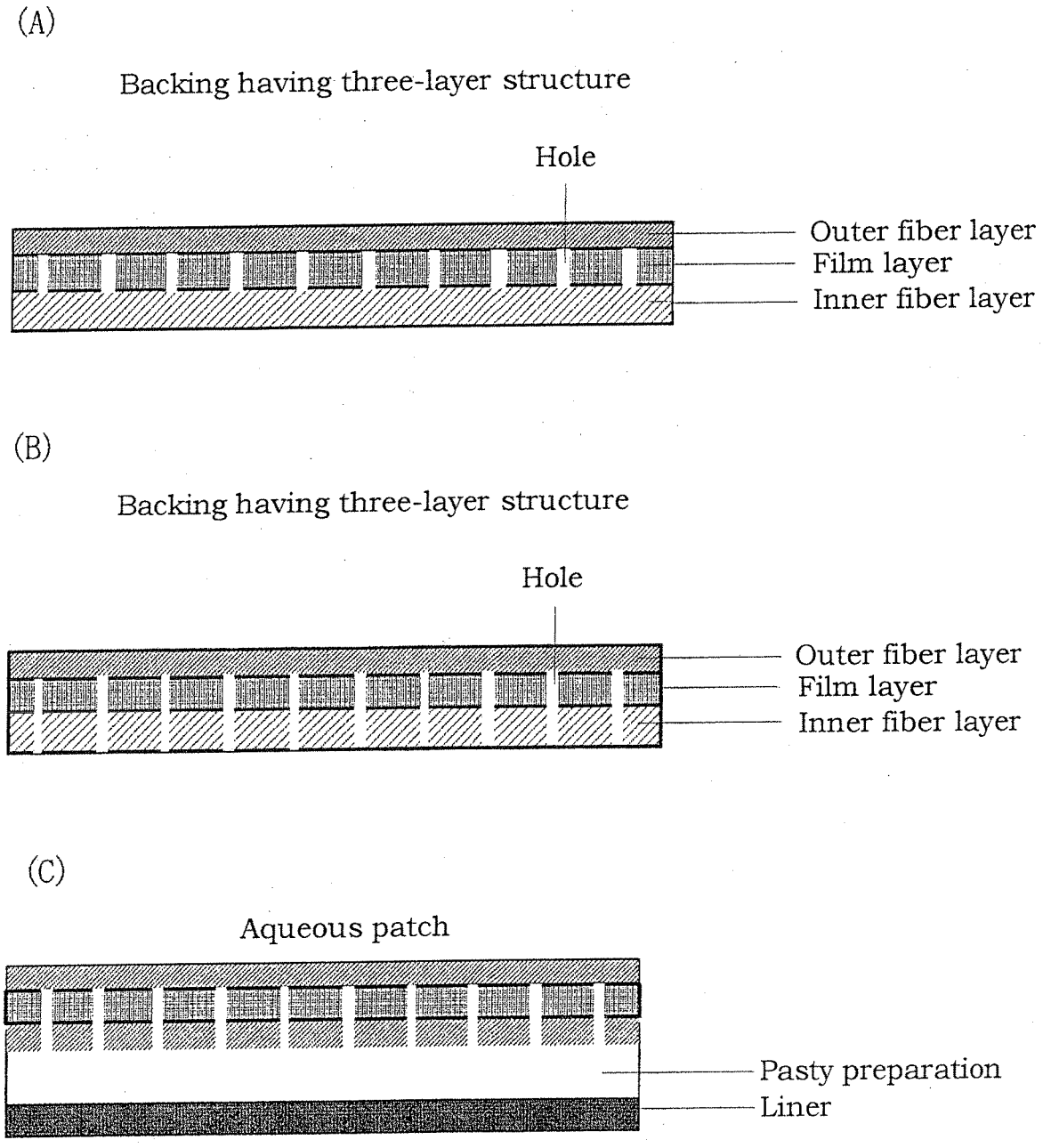

(A)
Backing having three-layer structure
Hole
Outer fiber layer
Film layer
Inner fiber layer
(B)
Backing having three-layer structure
Hole
Outer fiber layer
Film layer
Inner fiber layer
(C)
Aqueous patch
Pasty preparation
Liner

Fig. 2

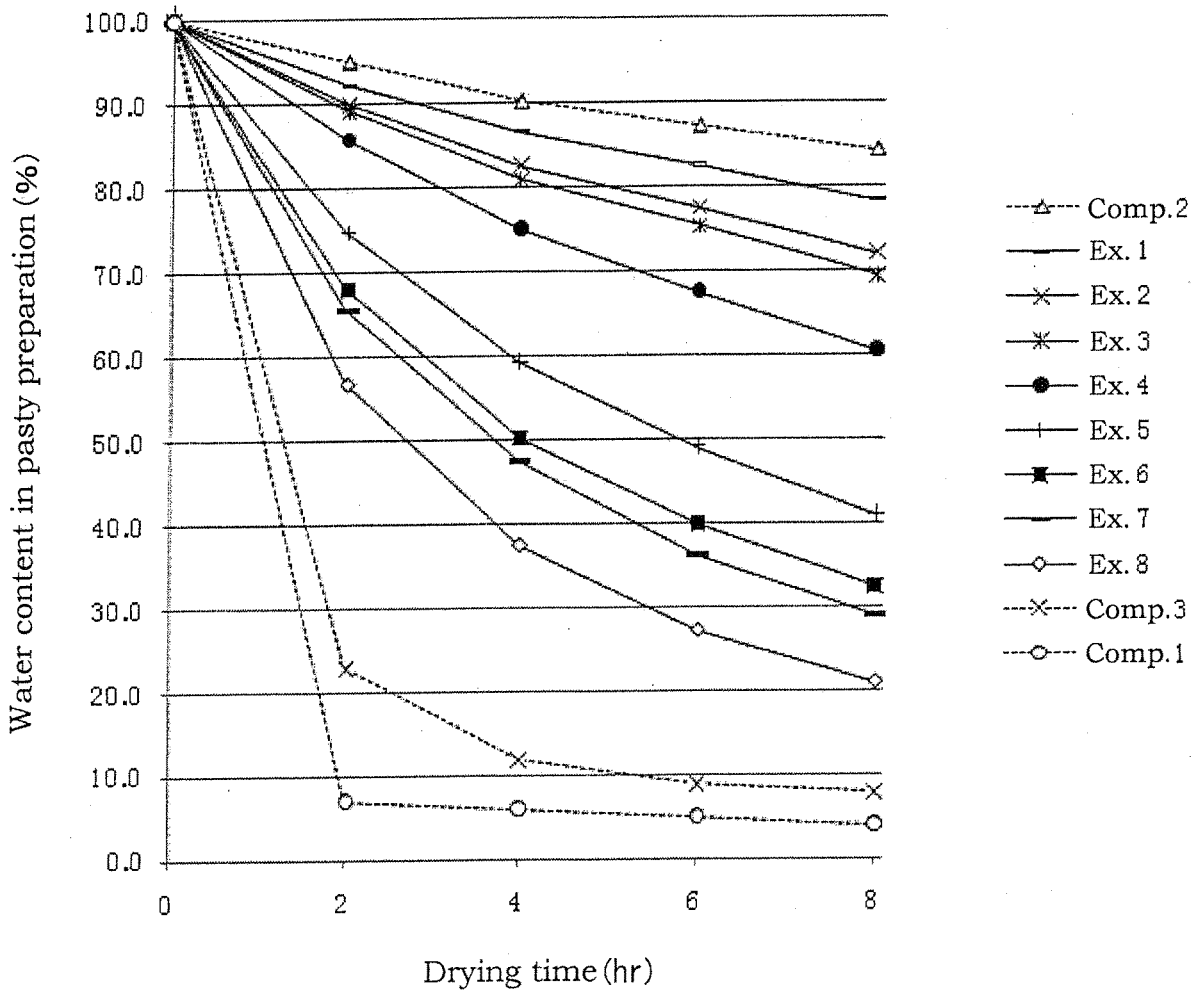

Water content in pasty preparation (%)
100.0
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
0
2
4
6
8
Drying time (hr)
Comp.2
Ex. 1
Ex. 2
Ex. 3
Ex. 4
Ex. 5
Ex. 6
Ex. 7
Ex. 8
Comp.3
Comp.1

Fig. 3

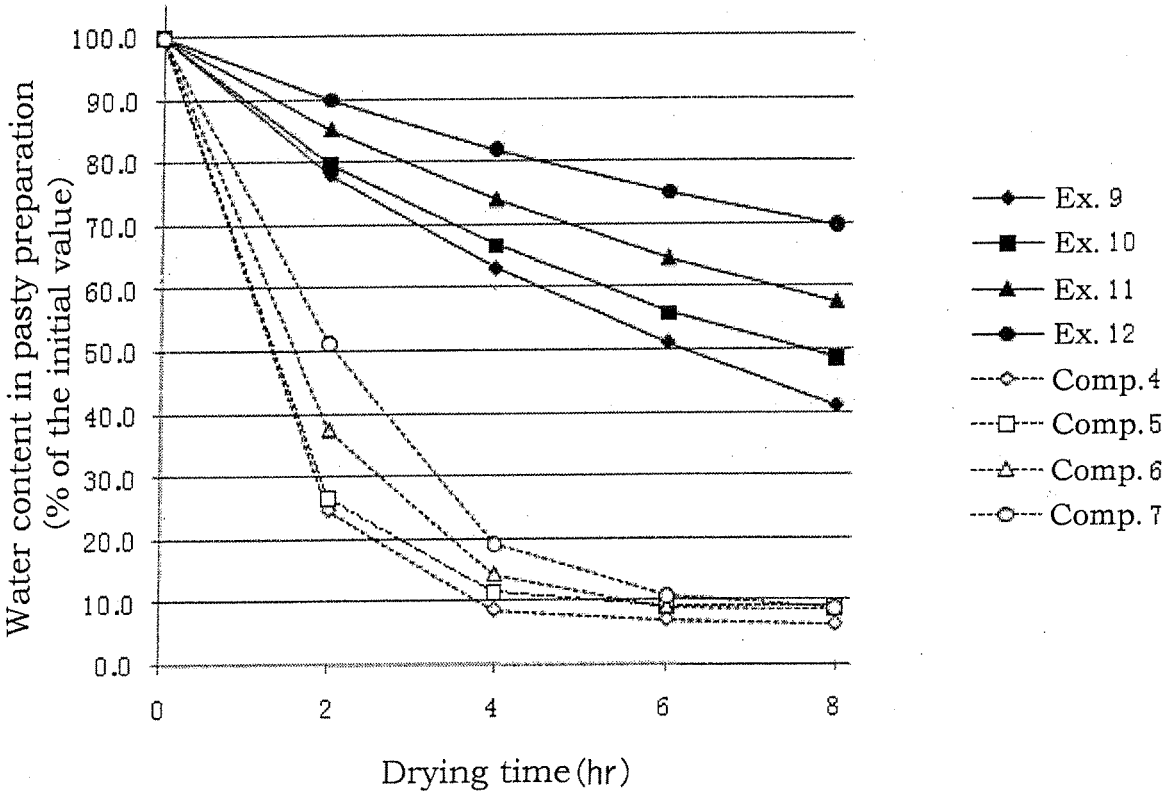

Water content in pasty preparation (% of the initial value)
100.0
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
0
2
4
6
8
Drying time (hr)
Ex. 9
Ex. 10
Ex. 11
Ex. 12
Comp. 4
Comp. 5
Comp. 6
Comp. 7

Fig. 4

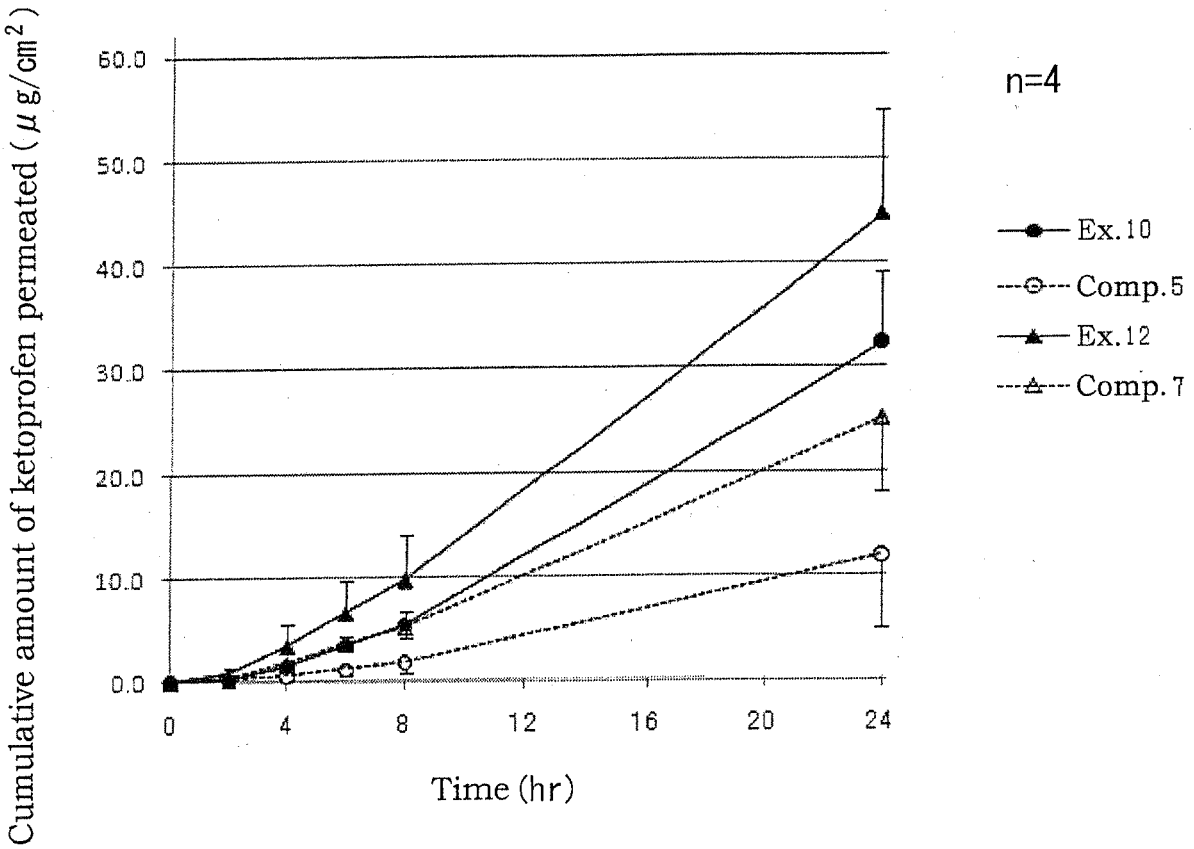

Cumulative amount of ketoprofen permeated (μg/cm²)
60.0
50.0
40.0
30.0
20.0
10.0
0.0
0
4
8
12
16
20
24
Time (hr)
n=4
Ex.10
Comp.5
Ex.12
Comp.7

Fig. 5

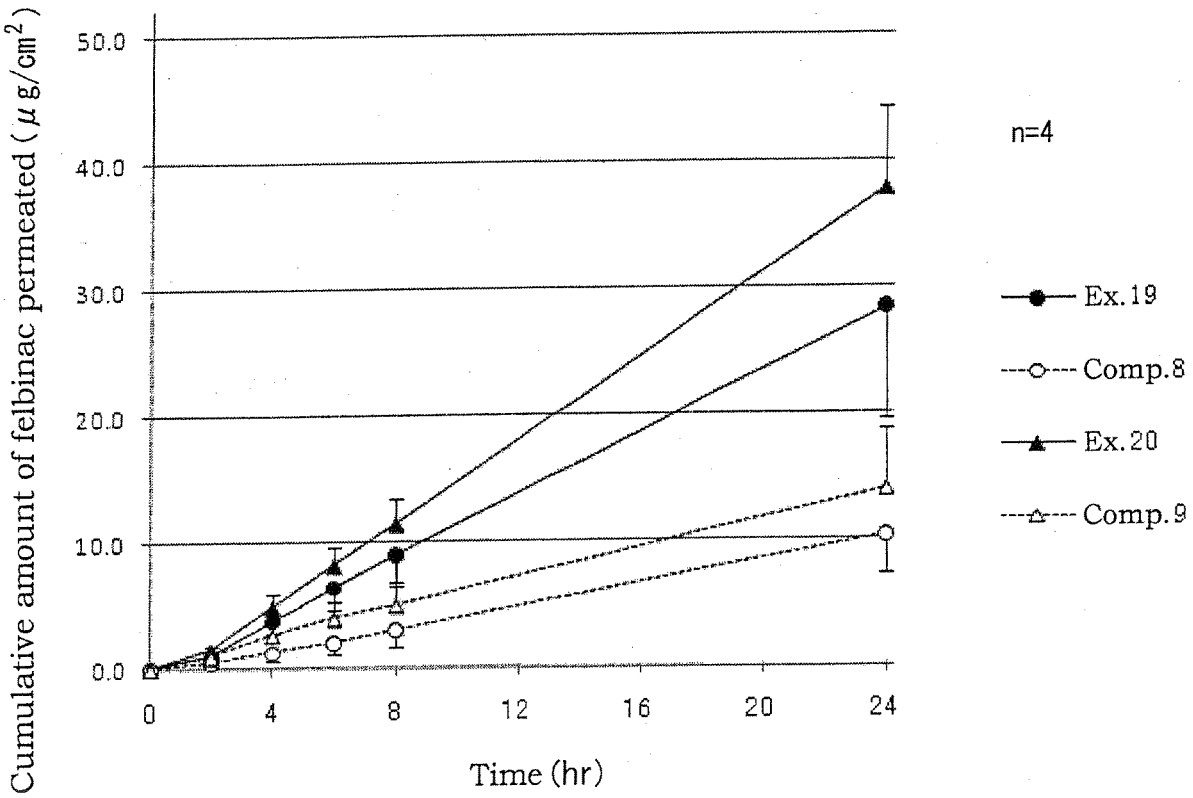

Cumulative amount of felbinac permeated (μg/cm²)
50.0
40.0
30.0
20.0
10.0
0.0
0
4
8
12
16
20
24
Time (hr)
n=4
Ex.19
Comp.8
Ex.20
Comp.9

Fig. 6

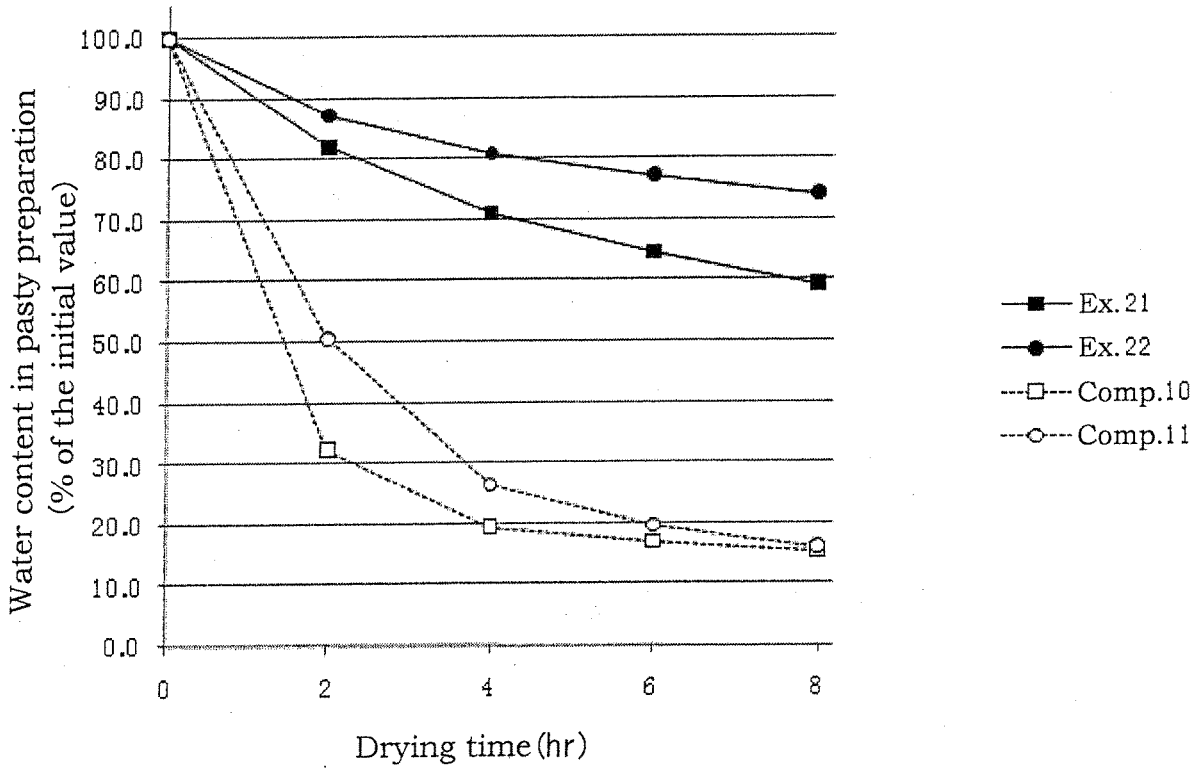

Water content in pasty preparation (% of the initial value)
100.0
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
0
2
4
6
8
Drying time (hr)
Ex. 21
Ex. 22
Comp. 10
Comp. 11

Fig. 7

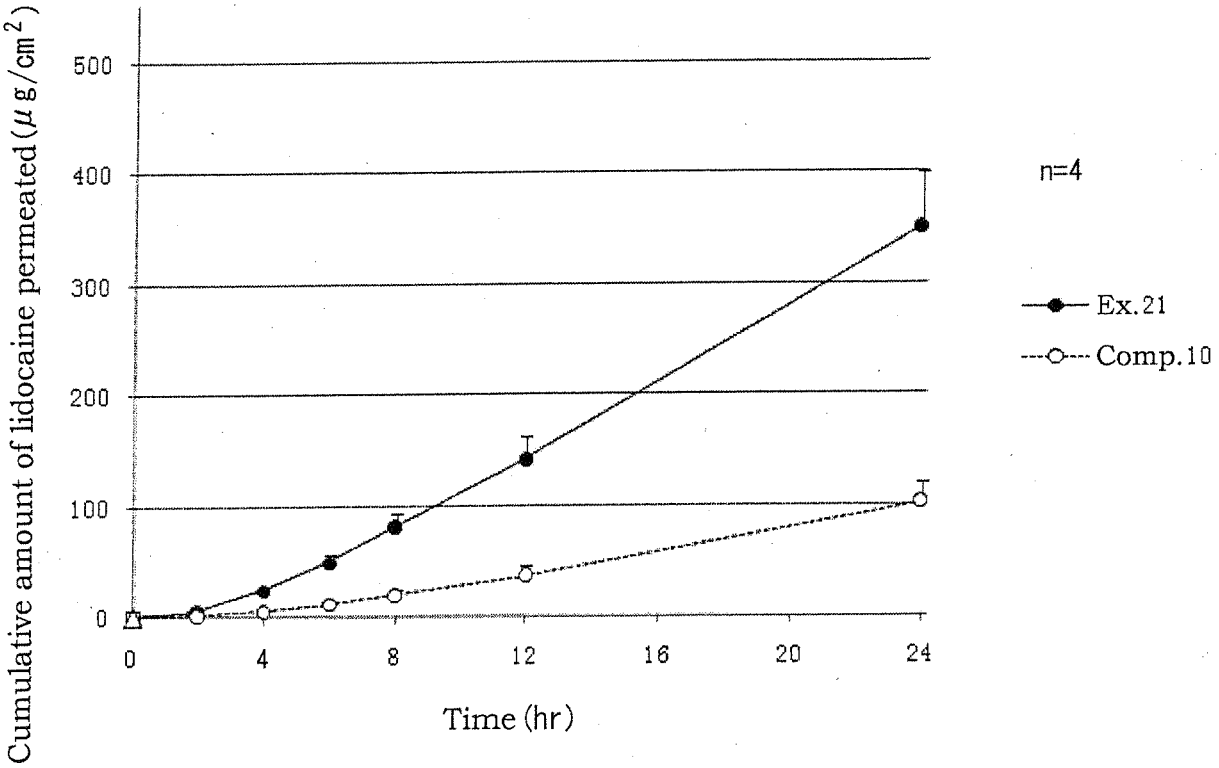

Cumulative amount of lidocaine permeated (μg/cm²)
500
400
300
200
100
0
0
4
8
12
16
20
24
Time (hr)
n=4
Ex.21
Comp.10

Fig. 8

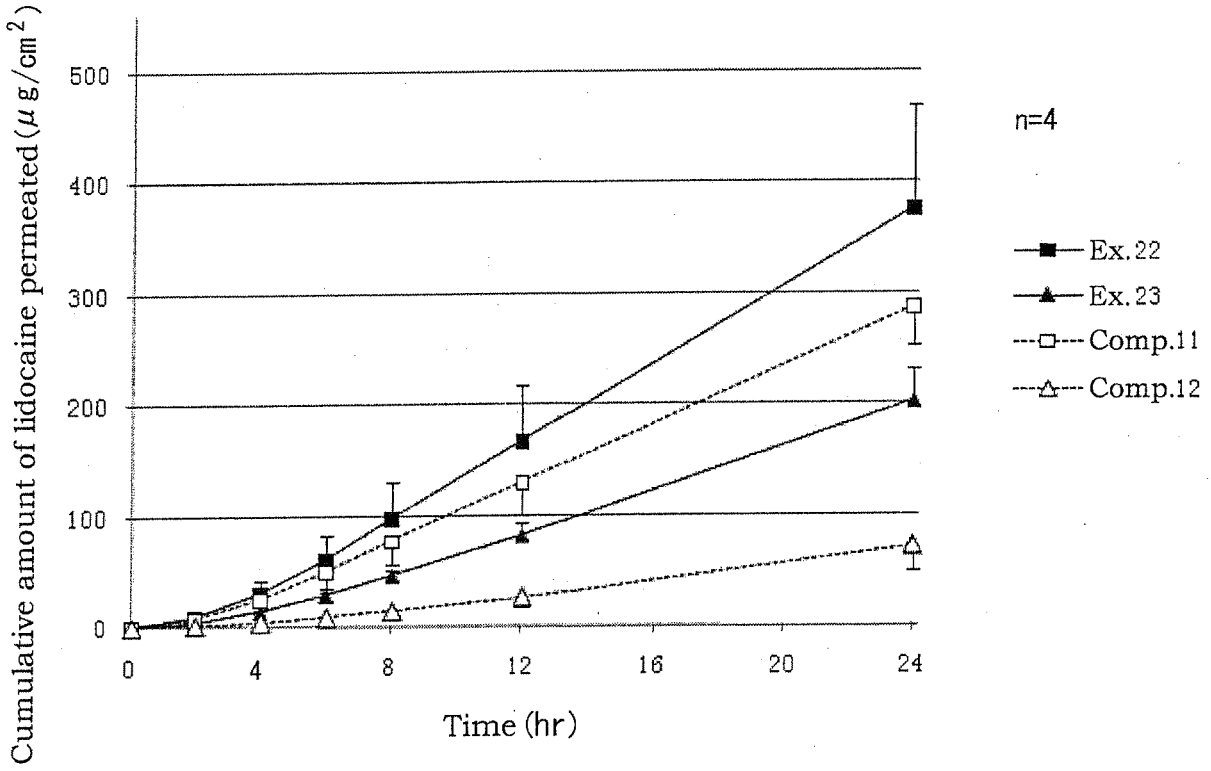
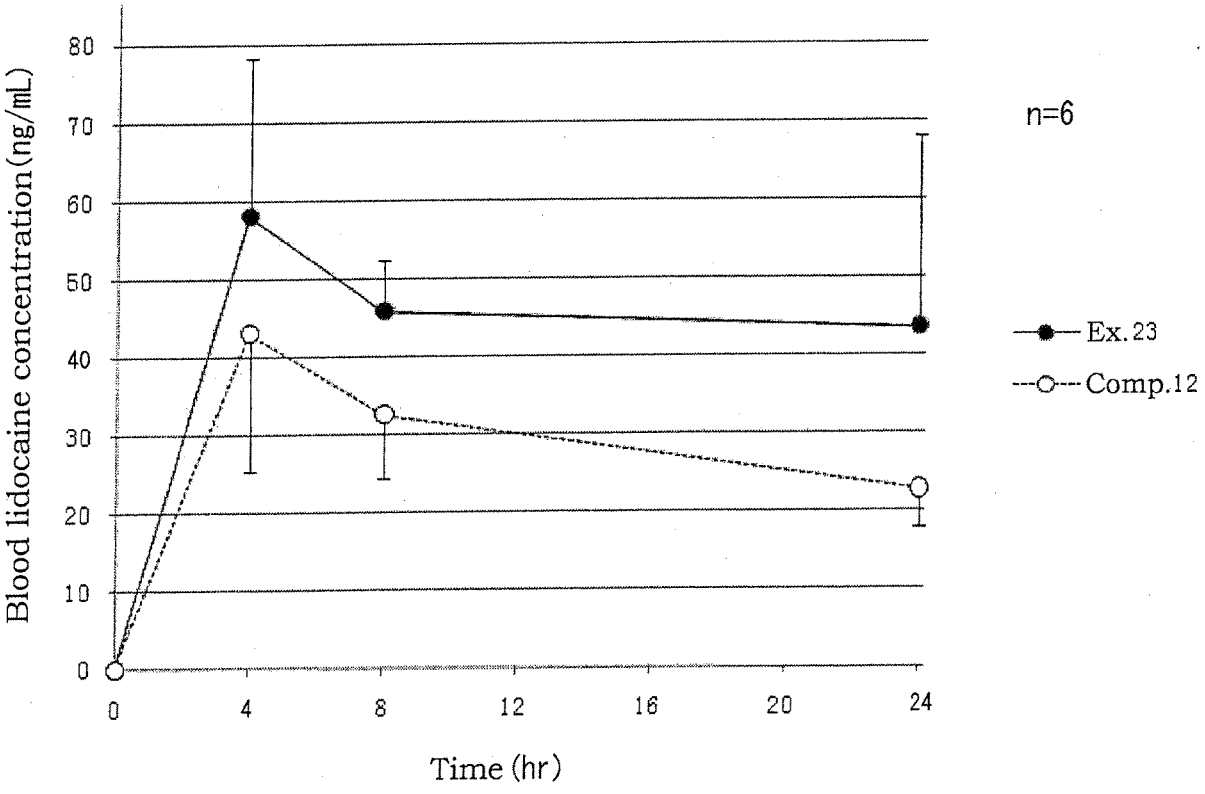

Cumulative amount of lidocaine permeated (μg/cm²)
500
400
300
200
100
0
0
4
8
12
16
20
24
Time (hr)
n=4
Ex.22
Ex.23
Comp.11
Comp.12

Fig. 9


Blood lidocaine concentration (ng/mL)
80
70
60
50
40
30
20
10
0
0
4
8
12
16
20
24
Time (hr)
n=6
Ex. 23
Comp. 12