FIG. 1

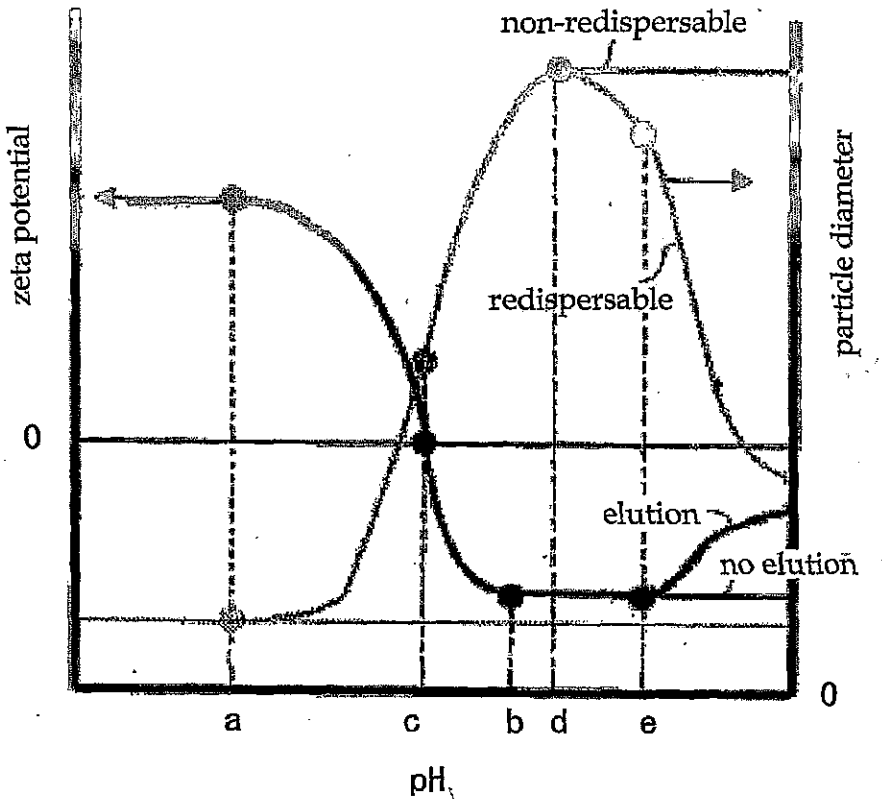

non-redispersable
redispersable
zeta potential
particle diameter
0
elution
no elution
0
a
c
b
d
e
pH

FIG. 2

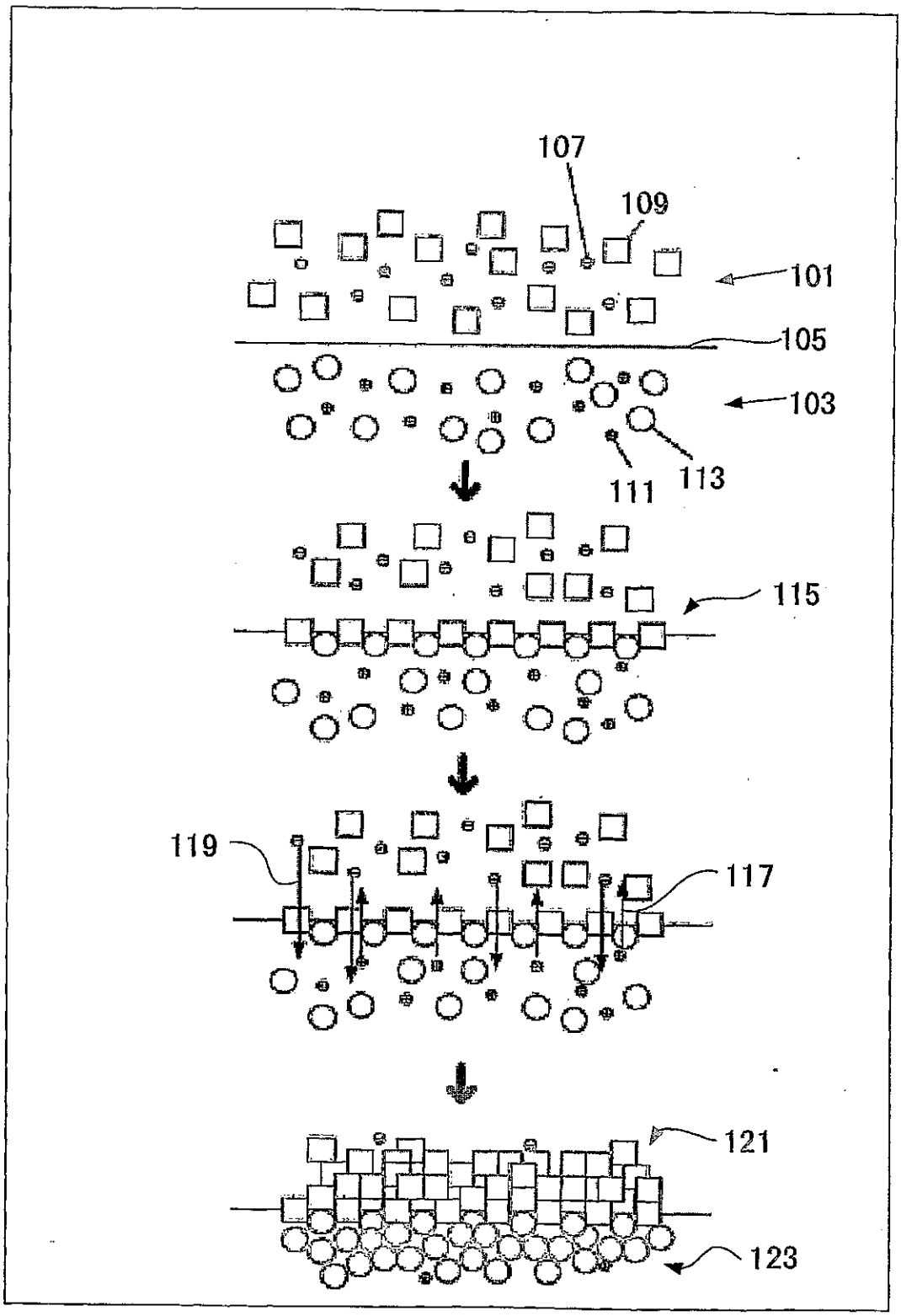


FIG. 3

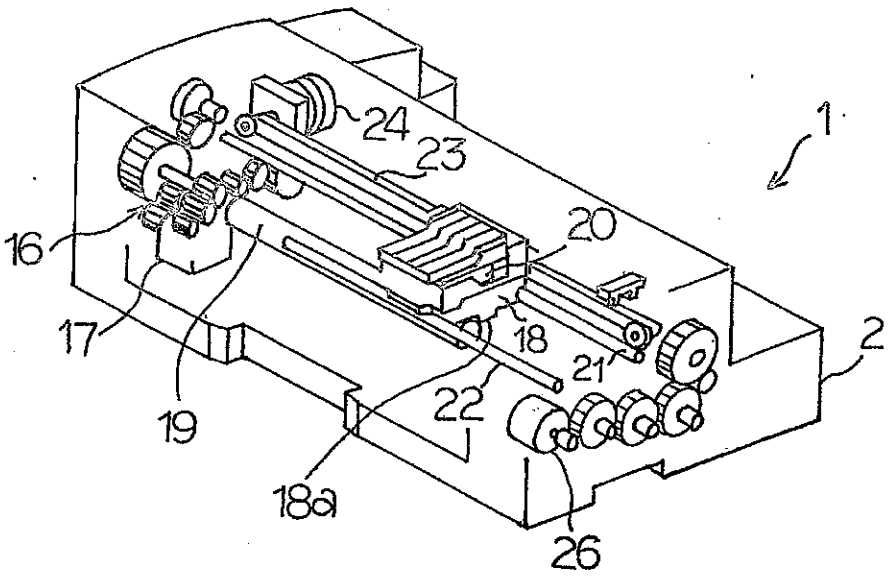


FIG. 4

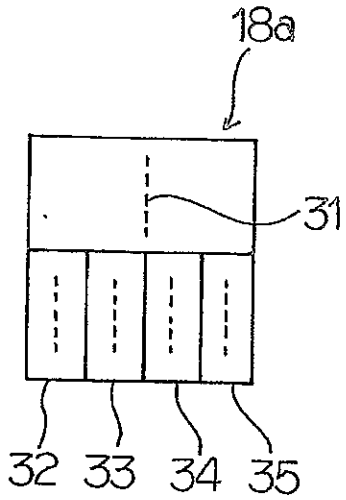


FIG. 5

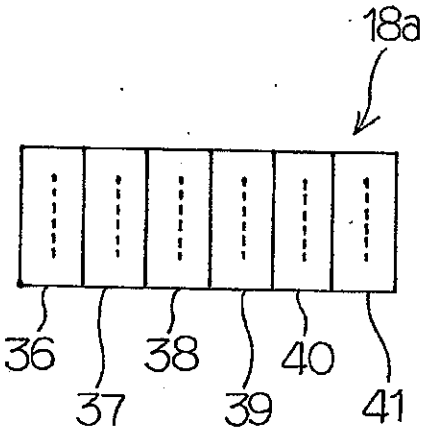


FIG. 6

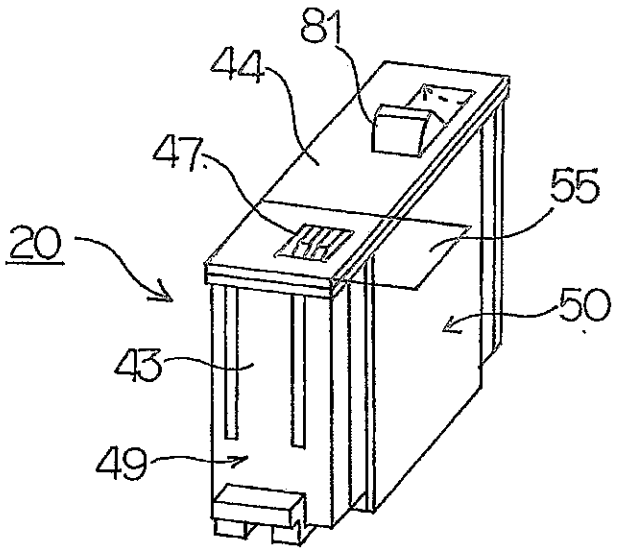


FIG. 7

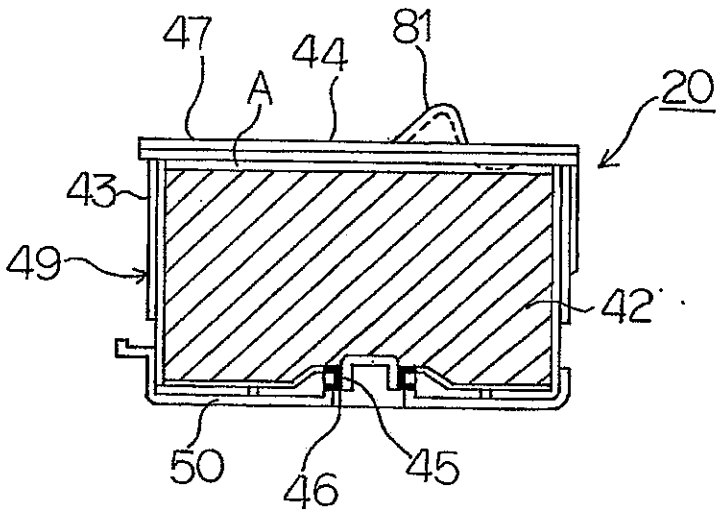


FIG. 8

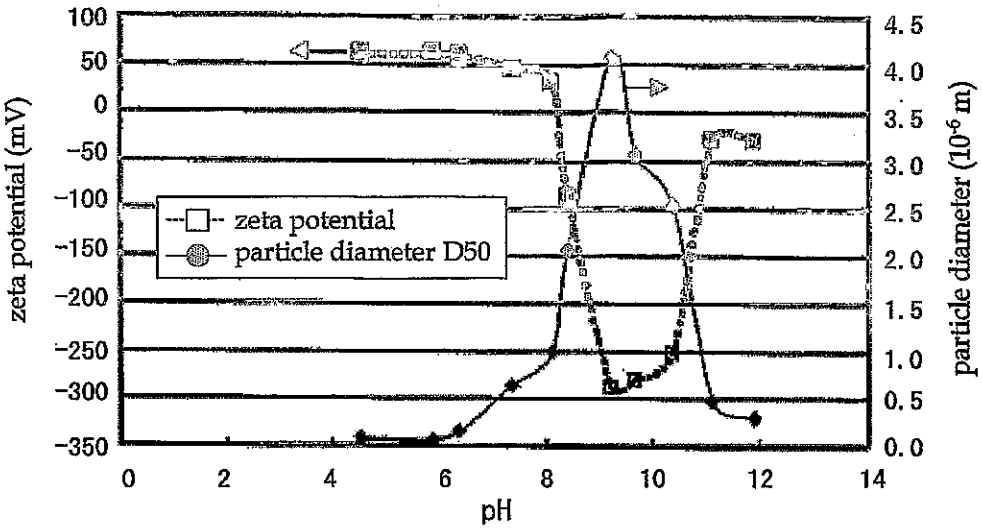
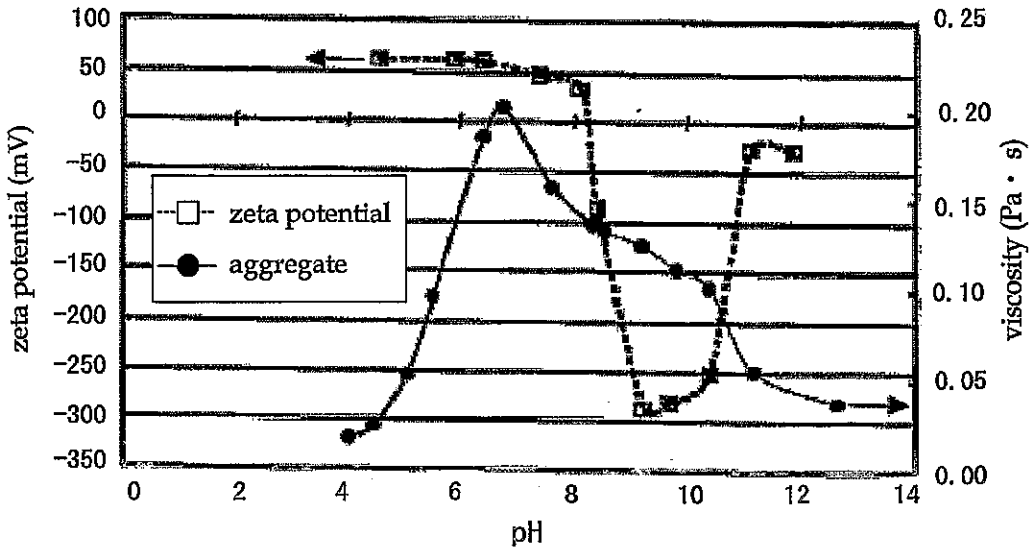

zeta potential (mV)
particle diameter (10⁻⁶ m)
pH
zeta potential
particle diameter D50
100
50
0
-50
-100
-150
-200
-250
-300
-350
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0
2
4
6
8
10
12
14

FIG. 9


zeta potential (mV)
viscosity (Pa・s)
pH
zeta potential
aggregate
100
50
0
-50
-100
-150
-200
-250
-300
-350
0.25
0.20
0.15
0.10
0.05
0.00
0
2
4
6
8
10
12
14