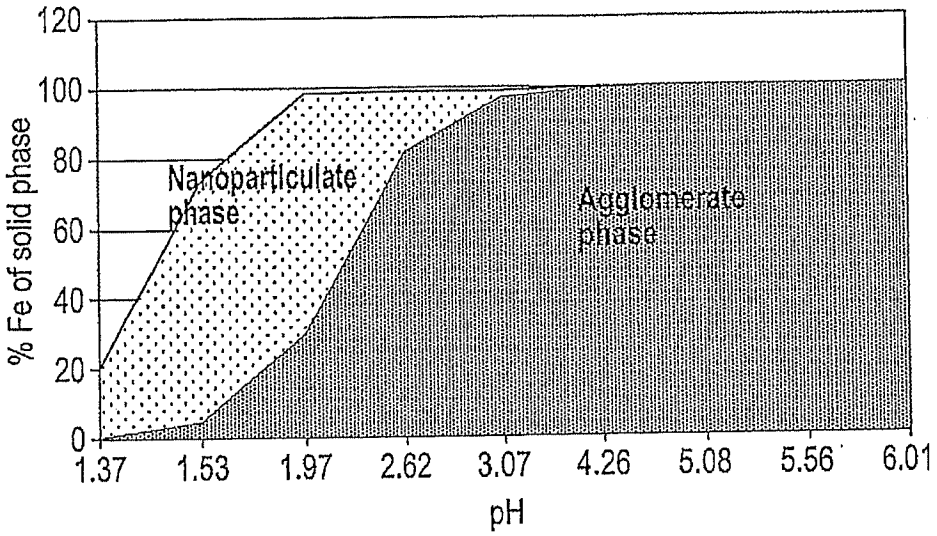

120
100
80
60
40
20
0
% Fe of solid phase
Nanoparticulate phase
Agglomerate phase
1.37
1.53
1.97
2.62
3.07
4.26
5.08
5.56
6.01
pH

FIG. 1

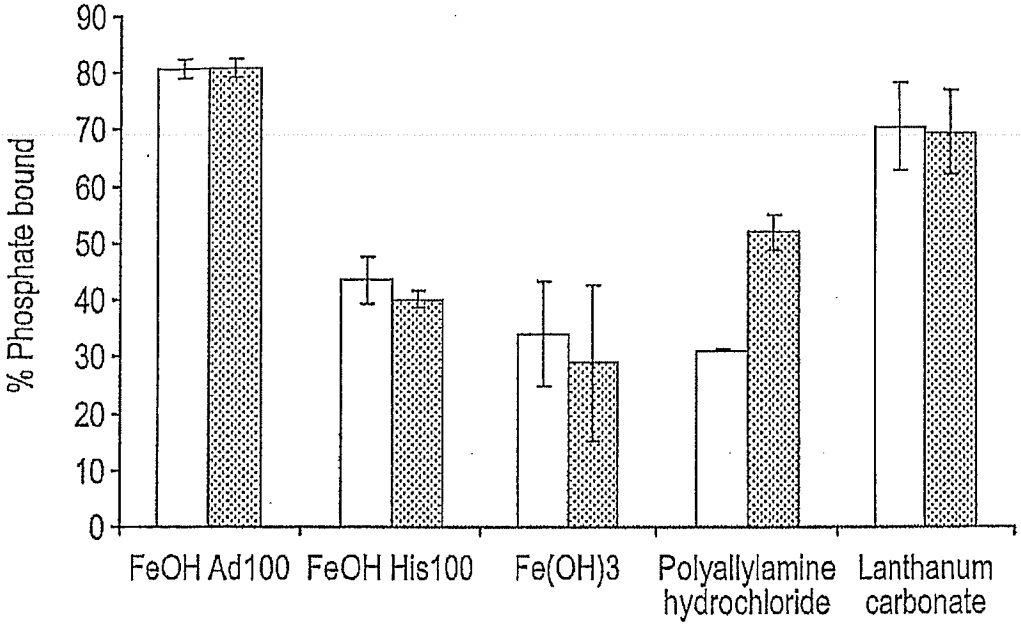

% Phosphate bound
90
80
70
60
50
40
30
20
10
0
FeOH Ad100
FeOH His100
Fe(OH)3
Polyallylamine hydrochloride
Lanthanum carbonate

FIG. 2a

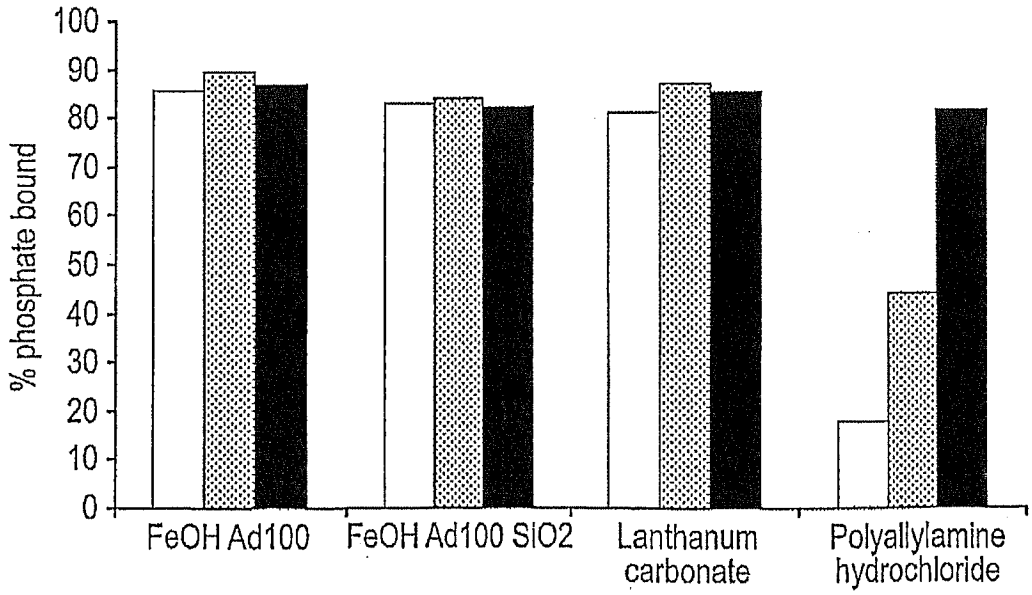

% phosphate bound
100
90
80
70
60
50
40
30
20
10
0
FeOH Ad100
FeOH Ad100 SIO2
Lanthanum carbonate
Polyallylamine hydrochloride

FIG. 2b

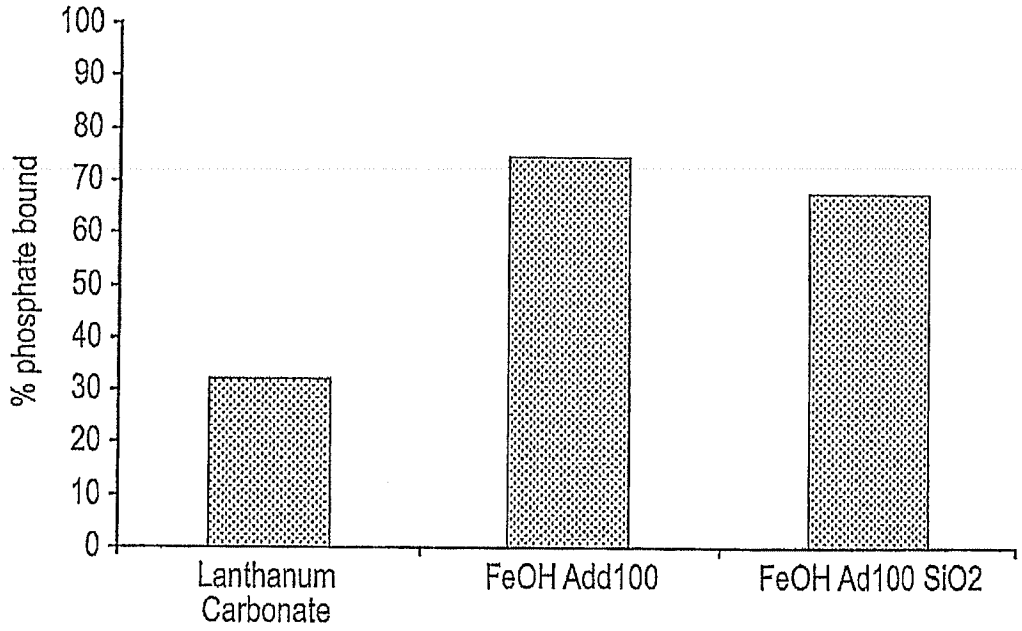

% phosphate bound
100
90
80
70
60
50
40
30
20
10
0
Lanthanum Carbonate
FeOH Add100
FeOH Ad100 SiO2

FIG. 3

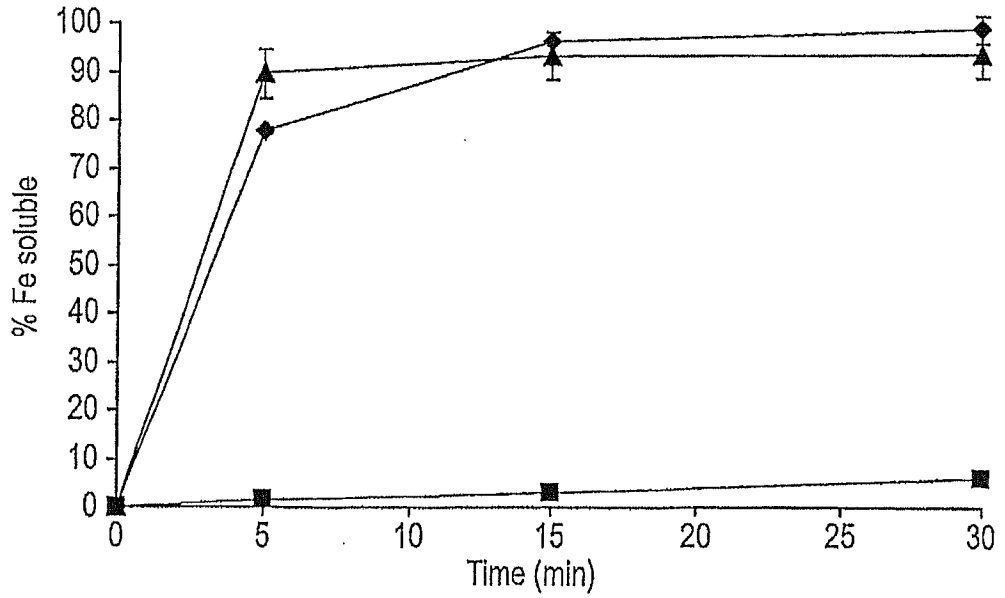

% Fe soluble
100
90
80
70
60
50
40
30
20
10
0
0
5
10
15
20
25
30
Time (min)

FIG. 4

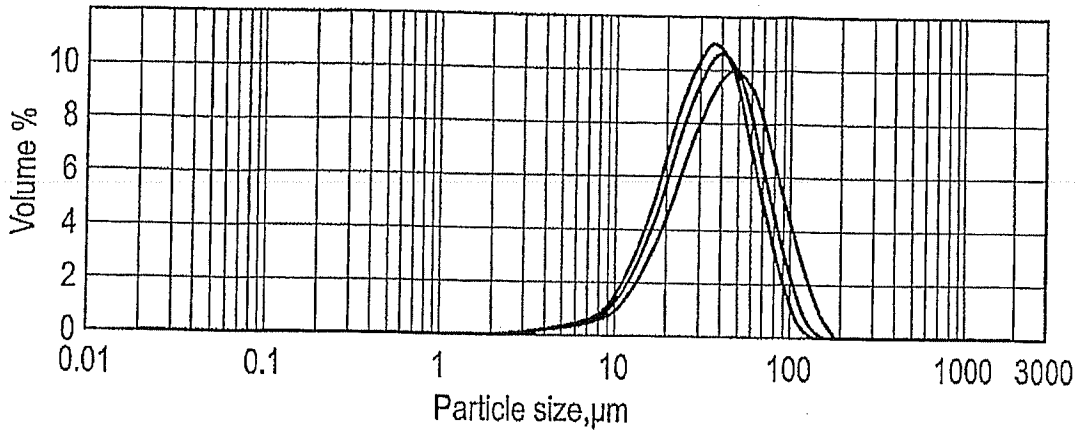


FIG. 5a

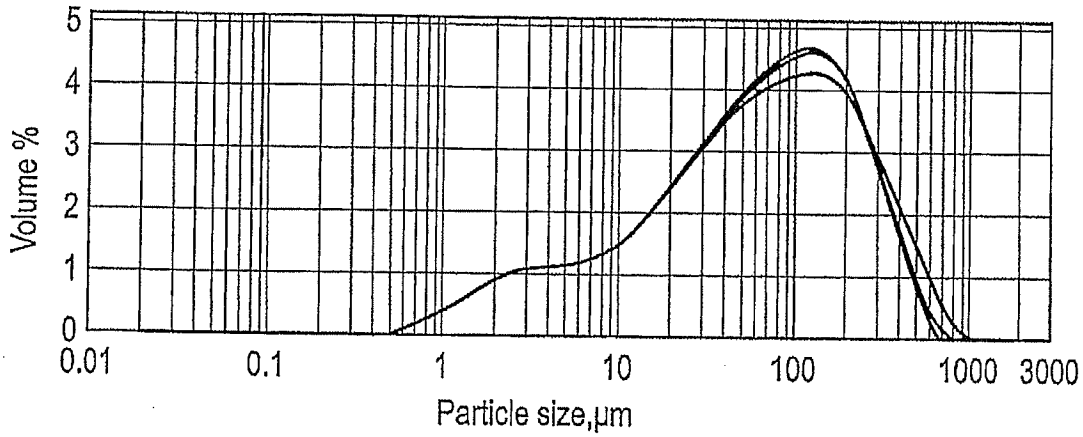


FIG. 5b

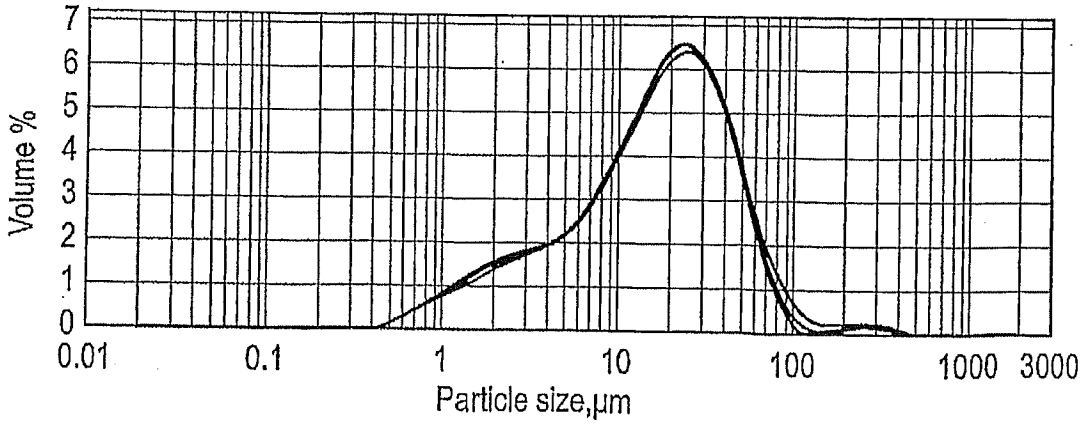


FIG. 5c

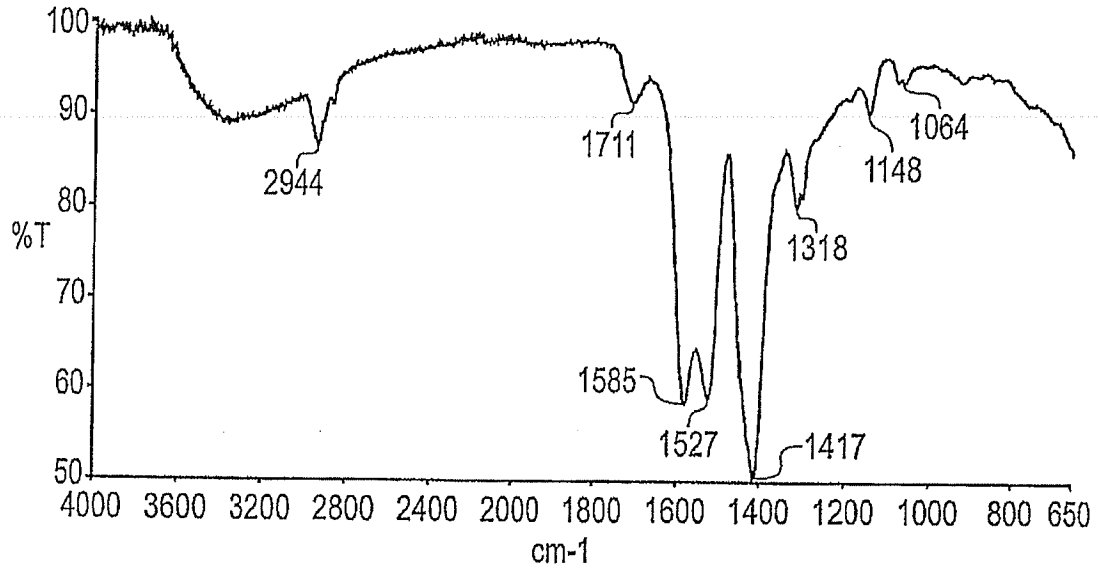

100
90
80
70
60
50
%T
2944
1711
1064
1148
1318
1585
1527
1417
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 650
cm-1

FIG. 6

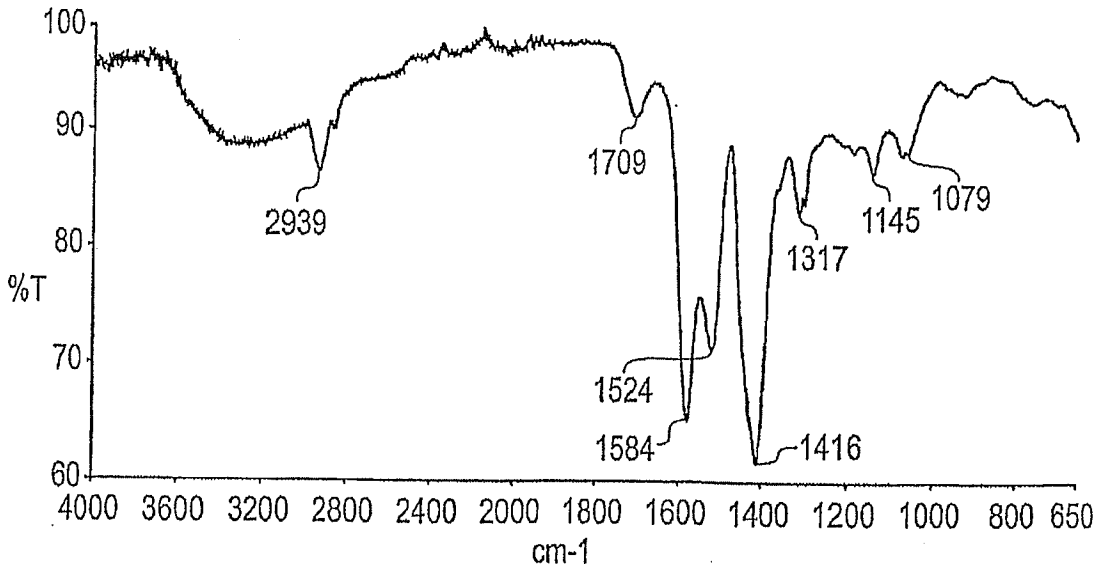

100
90
80
70
60
%T
2939
1709
1079
1145
1317
1524
1584
1416
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 650
cm-1

FIG. 7

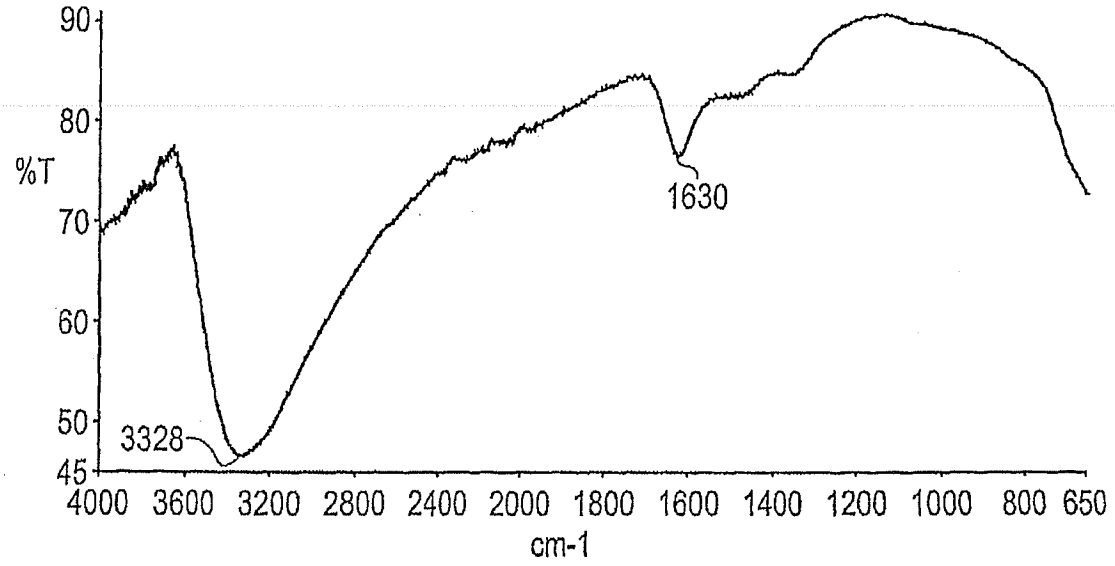

90
80
%T
70
60
50
45
3328
1630
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 650
cm-1

FIG. 8

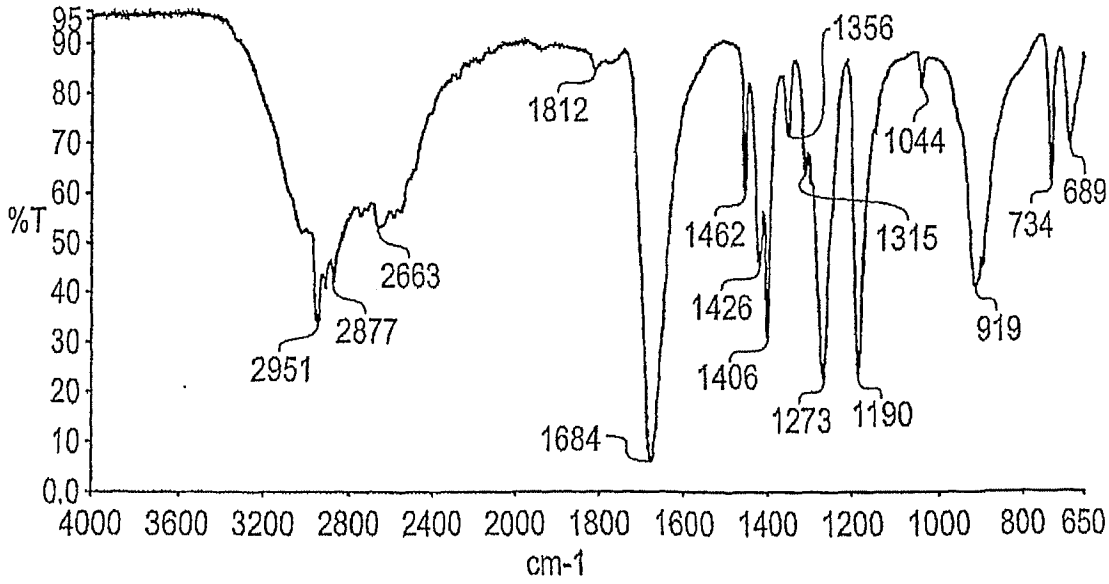

95
90
80
70
60
%T
50
40
30
20
10
0.0
2951
2877
2663
1812
1684
1462
1426
1406
1356
1315
1273
1190
1044
919
734
689
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 650
cm-1

FIG. 9

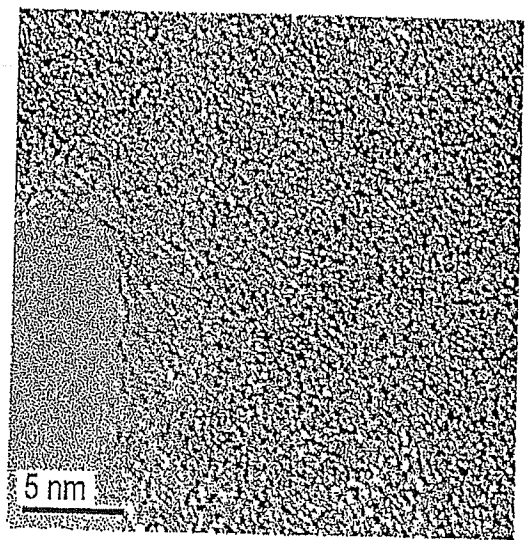


FIG. 10a

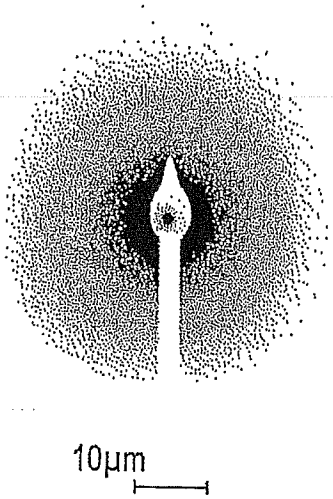


FIG. 10b

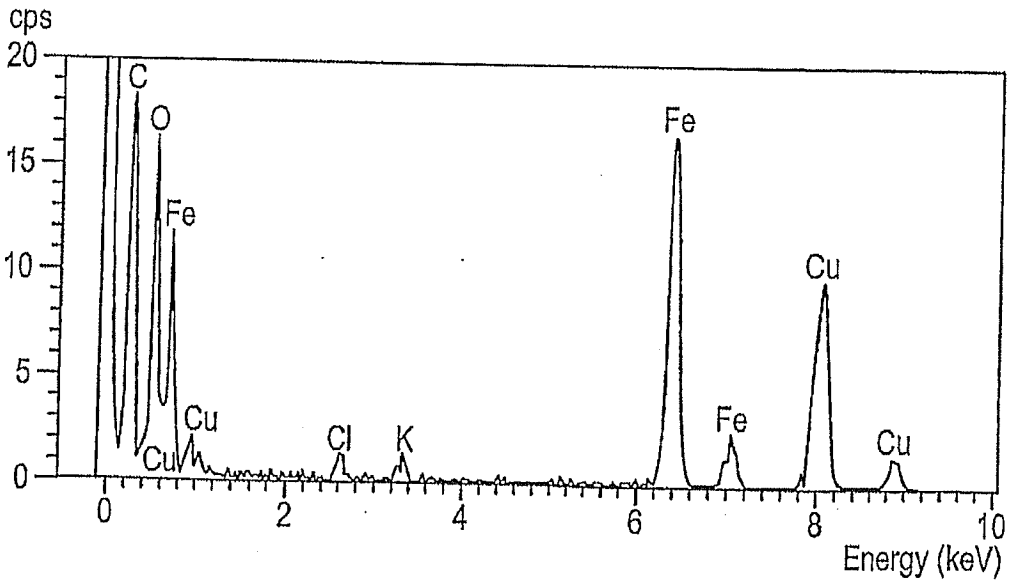


FIG. 10c

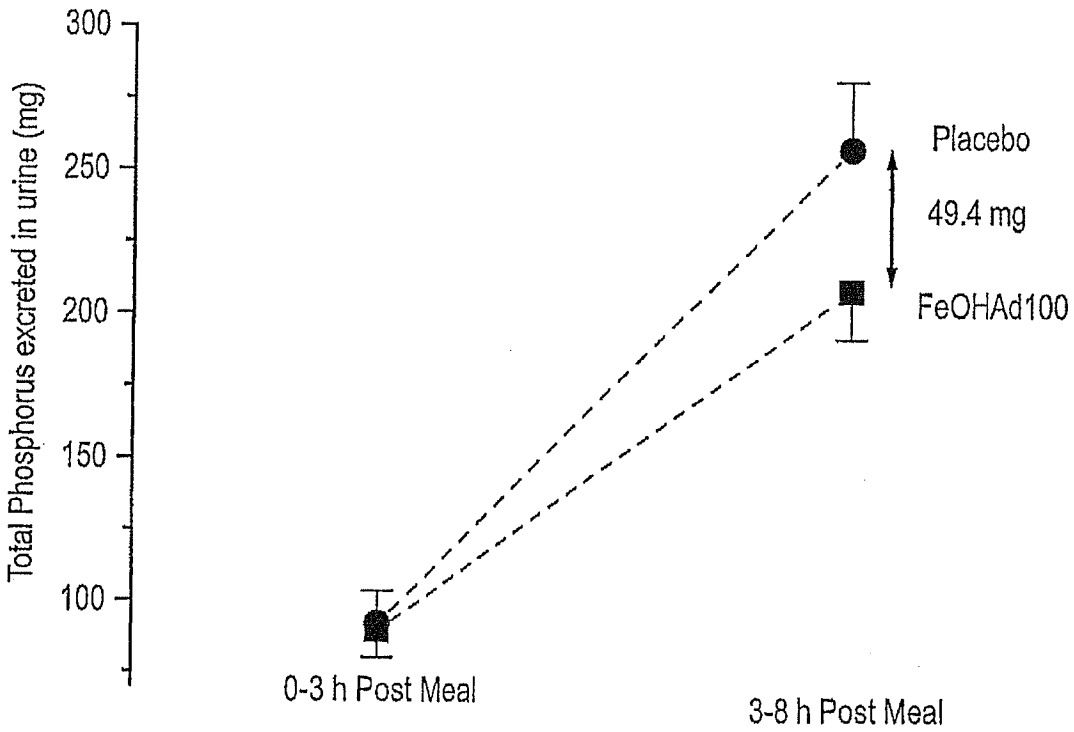

300
250
200
150
100
Total Phosphorus excreted in urine (mg)
Placebo
49.4 mg
FeOHAd100
0-3 h Post Meal
3-8 h Post Meal

FIG. 11

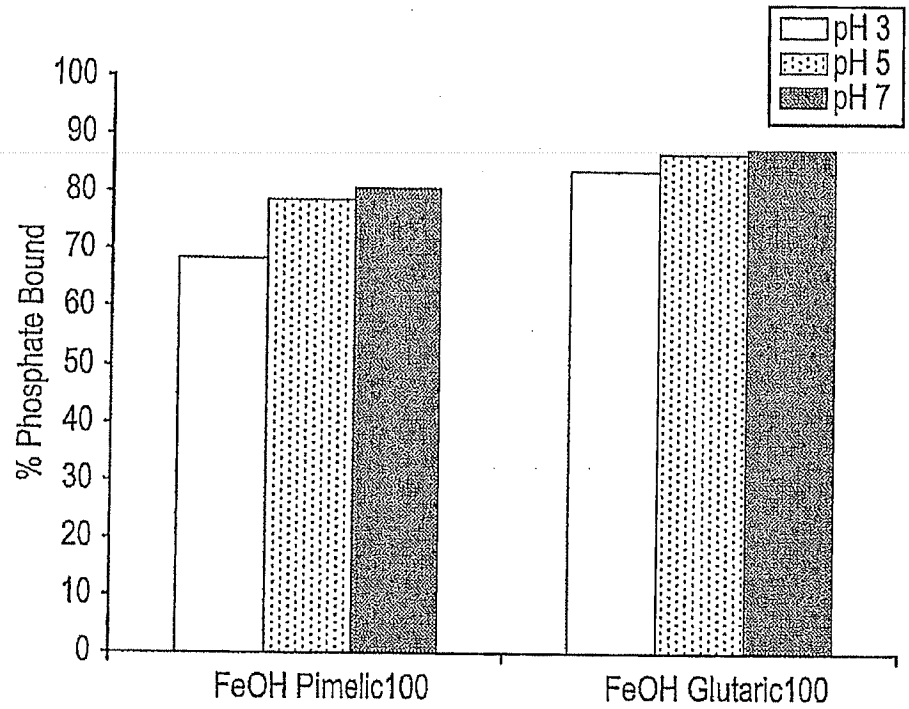

pH 3
pH 5
pH 7
100
90
80
70
60
50
40
30
20
10
0
% Phosphate Bound
FeOH Pimelic100
FeOH Glutaric100

FIG. 12

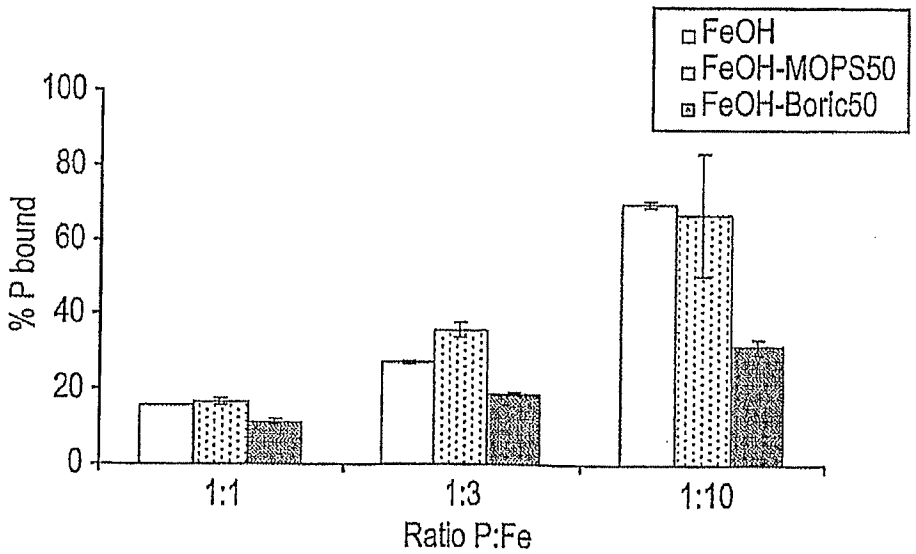

FeOH
FeOH-MOPS50
FeOH-Boric50
100
80
60
40
20
0
% P bound
1:1
1:3
1:10
Ratio P:Fe

FIG. 13

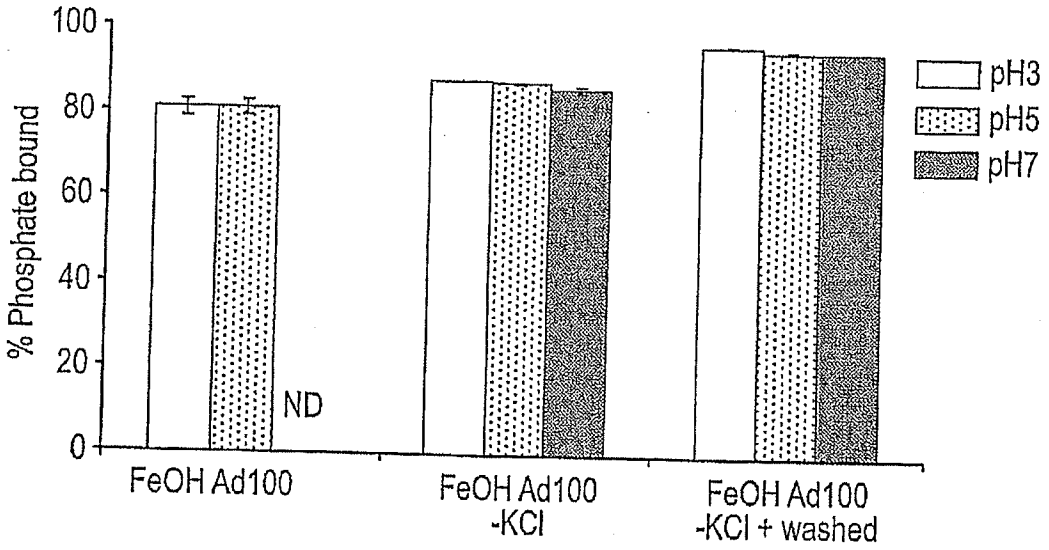

100
80
60
40
20
0
% Phosphate bound
ND
FeOH Ad100
FeOH Ad100
-KCl
FeOH Ad100
-KCl + washed
pH3
pH5
pH7

FIG. 14