FIG. 3

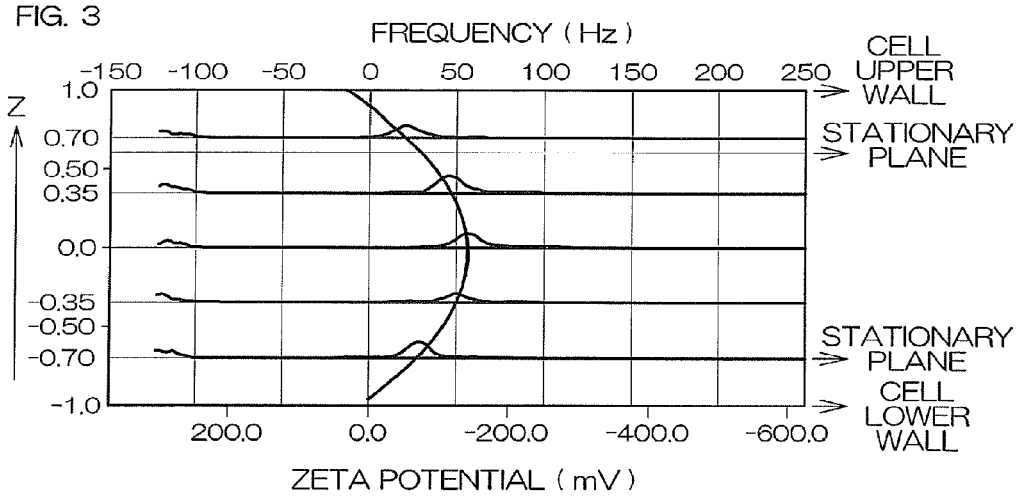
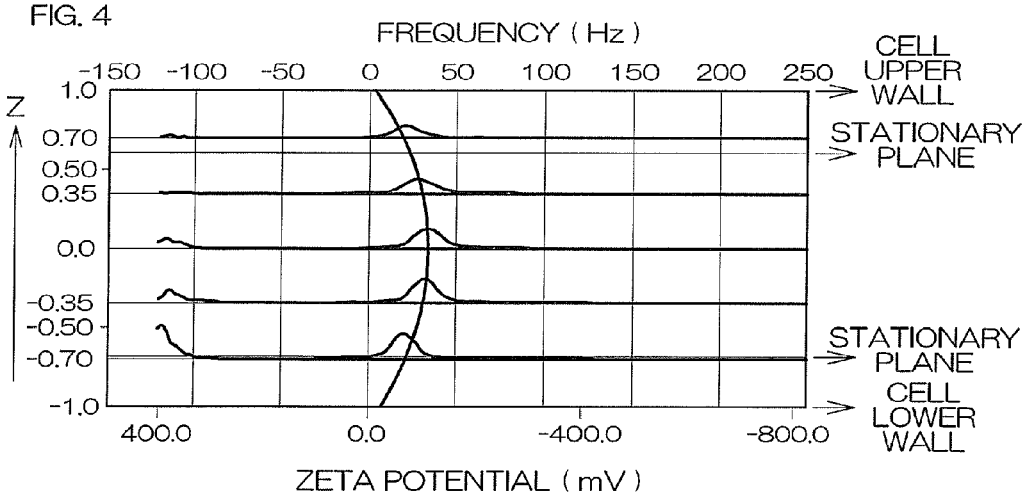

FREQUENCY (Hz)
-150 -100 -50 0 50 100 150 200 250
Z
1.0
0.70
0.50
0.35
0.0
-0.35
-0.50
-0.70
-1.0
200.0 0.0 -200.0 -400.0 -600.0
ZETA POTENTIAL (mV)
CELL UPPER WALL
STATIONARY PLANE
STATIONARY PLANE
CELL LOWER WALL

FIG. 4


FREQUENCY (Hz)
-150 -100 -50 0 50 100 150 200 250
Z
1.0
0.70
0.50
0.35
0.0
-0.35
-0.50
-0.70
-1.0
400.0 0.0 -400.0 -800.0
ZETA POTENTIAL (mV)
CELL UPPER WALL
STATIONARY PLANE
STATIONARY PLANE
CELL LOWER WALL