

FIG.1

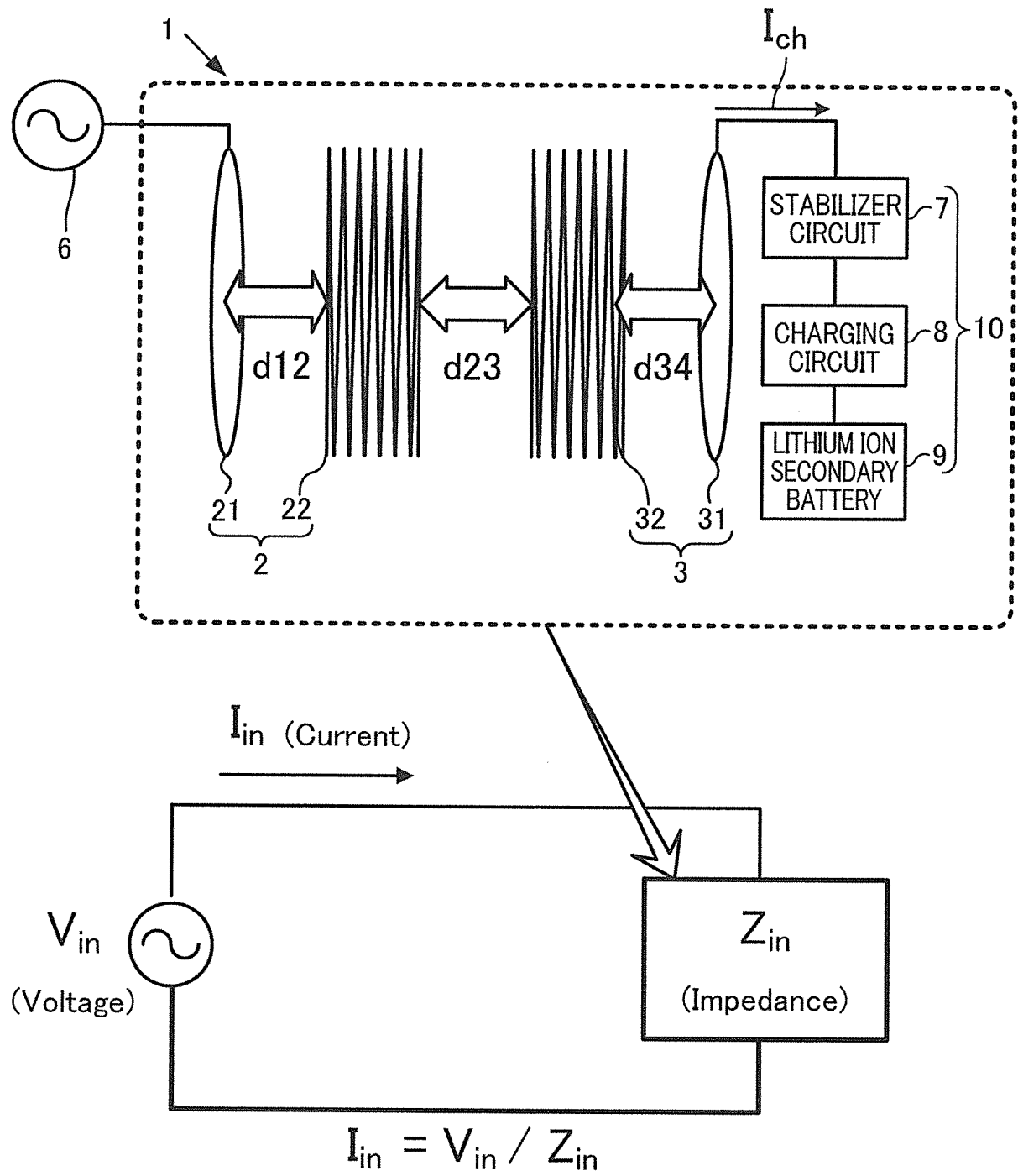


FIG.2

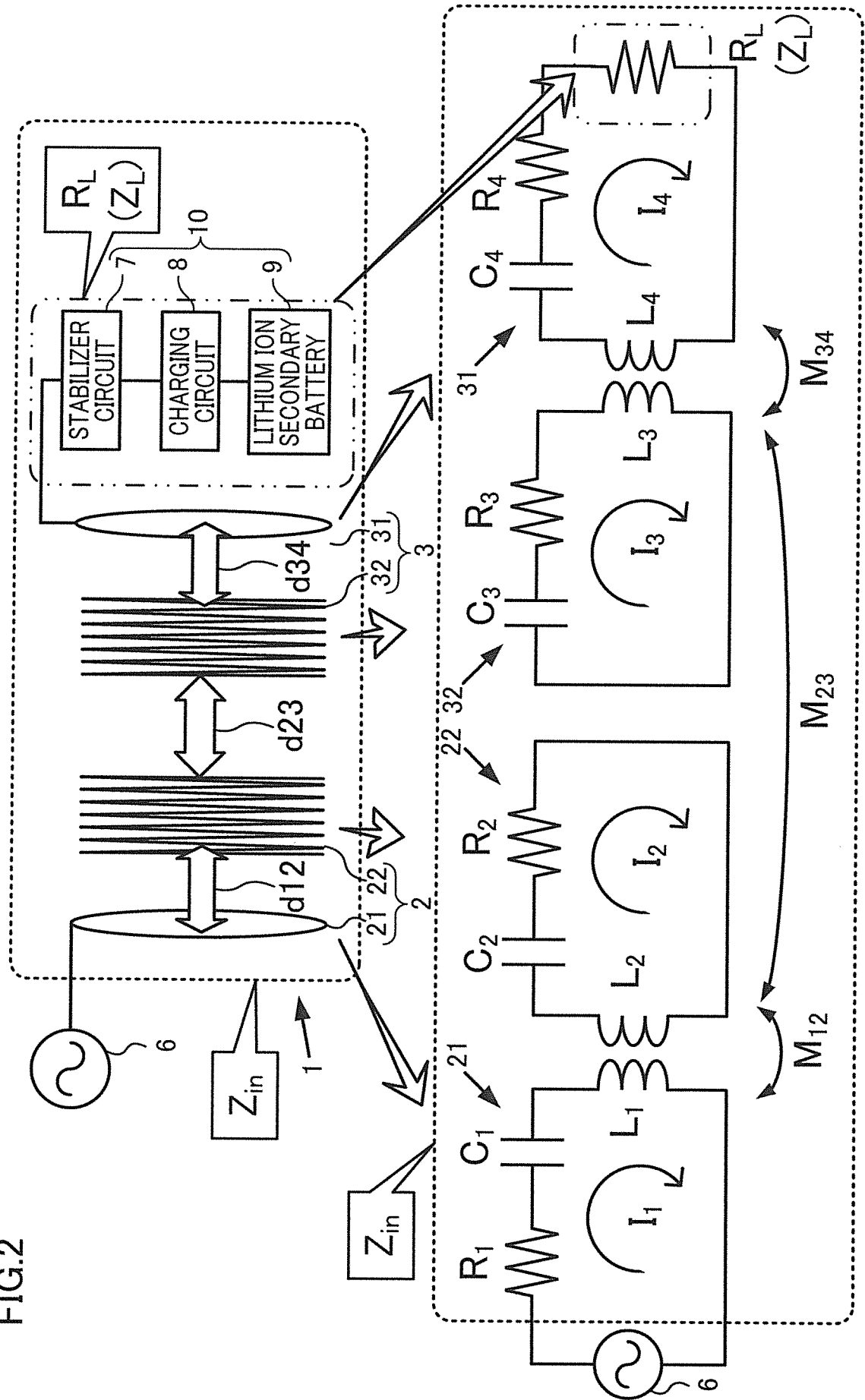


FIG.3

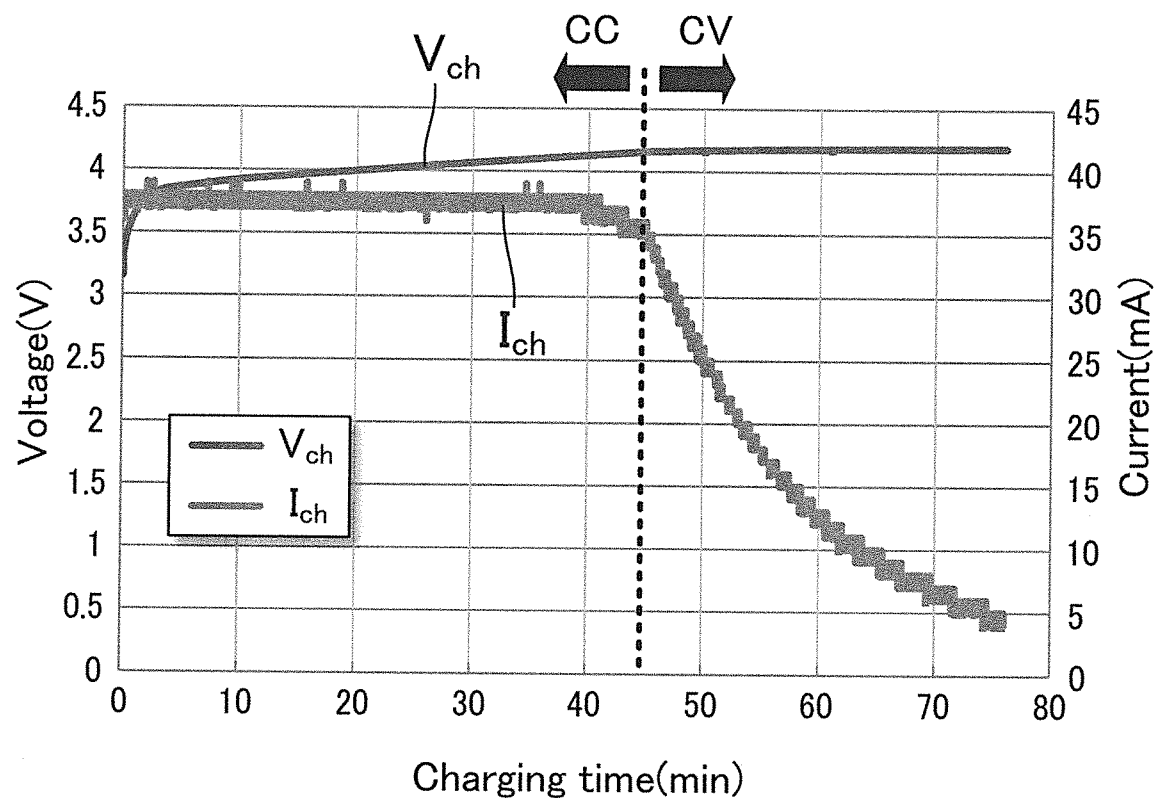


FIG.4

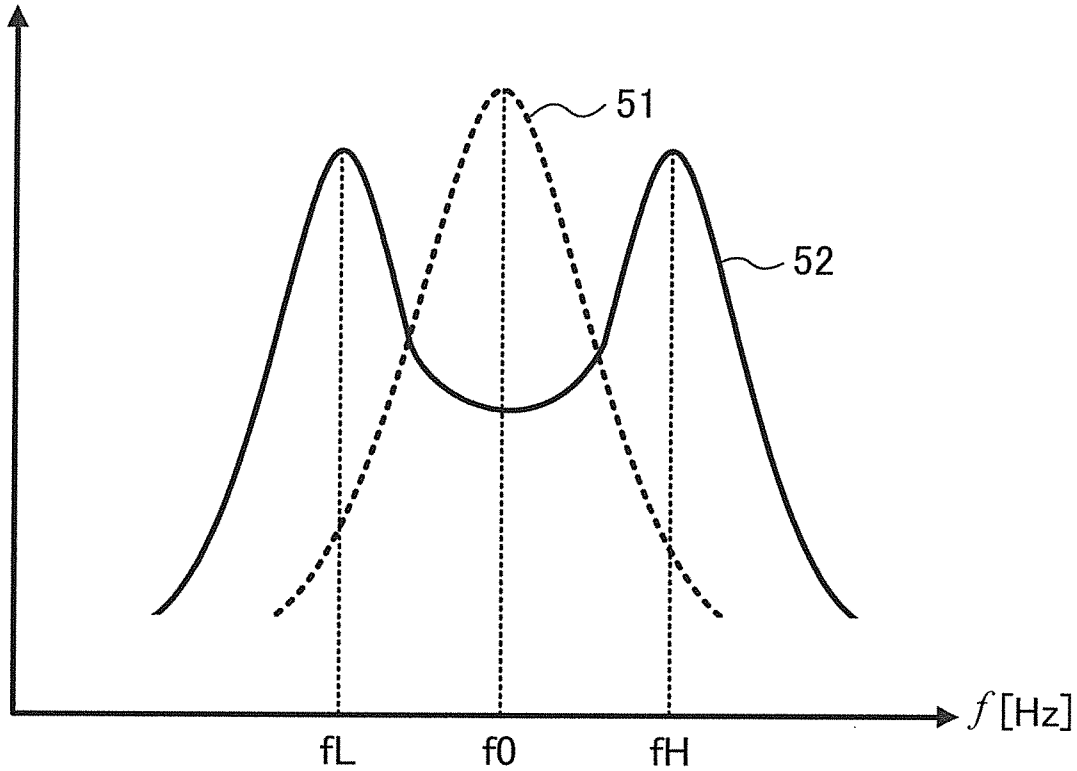
 $S_{21}[\text{dB}]$ 

FIG.5

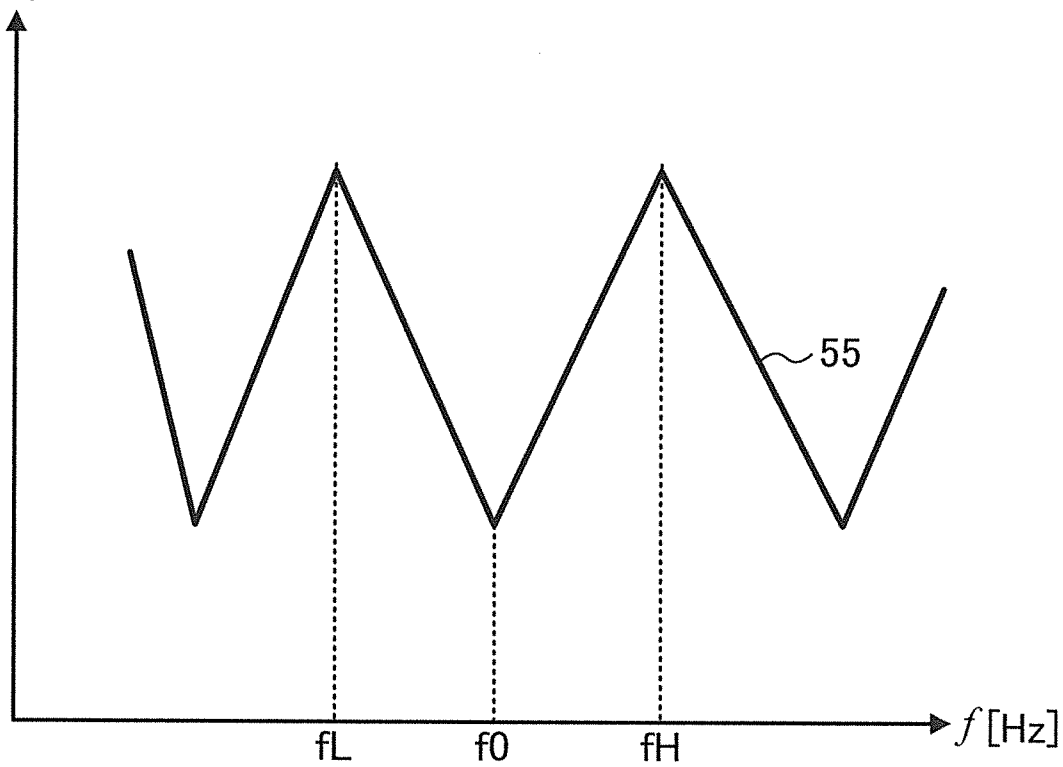
 $|Z_{in}|[\Omega]$ 

FIG.6

(MEASUREMENT EXPERIMENT 1-1)

INPHASE RESONANCE MODE :fL=870kHz

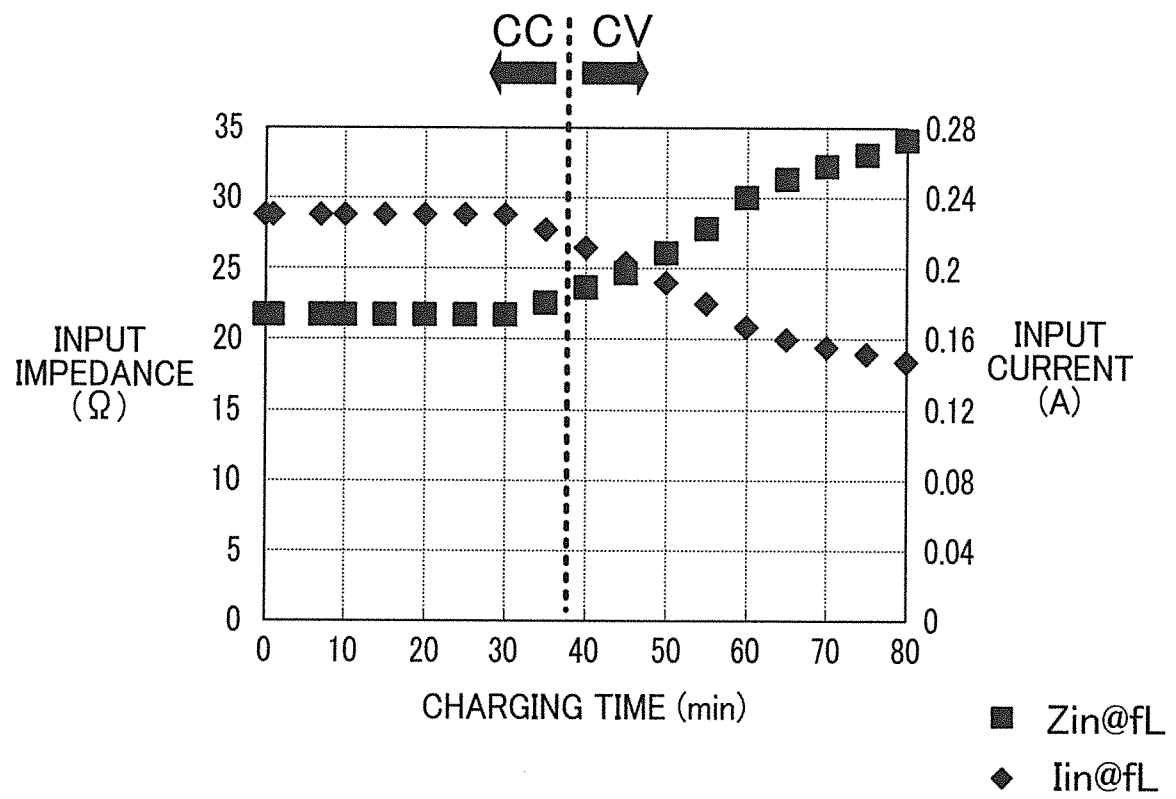


FIG.7

(MEASUREMENT EXPERIMENT 1-2)

ANTIPHASE RESONANCE MODE :fH=1070kHz

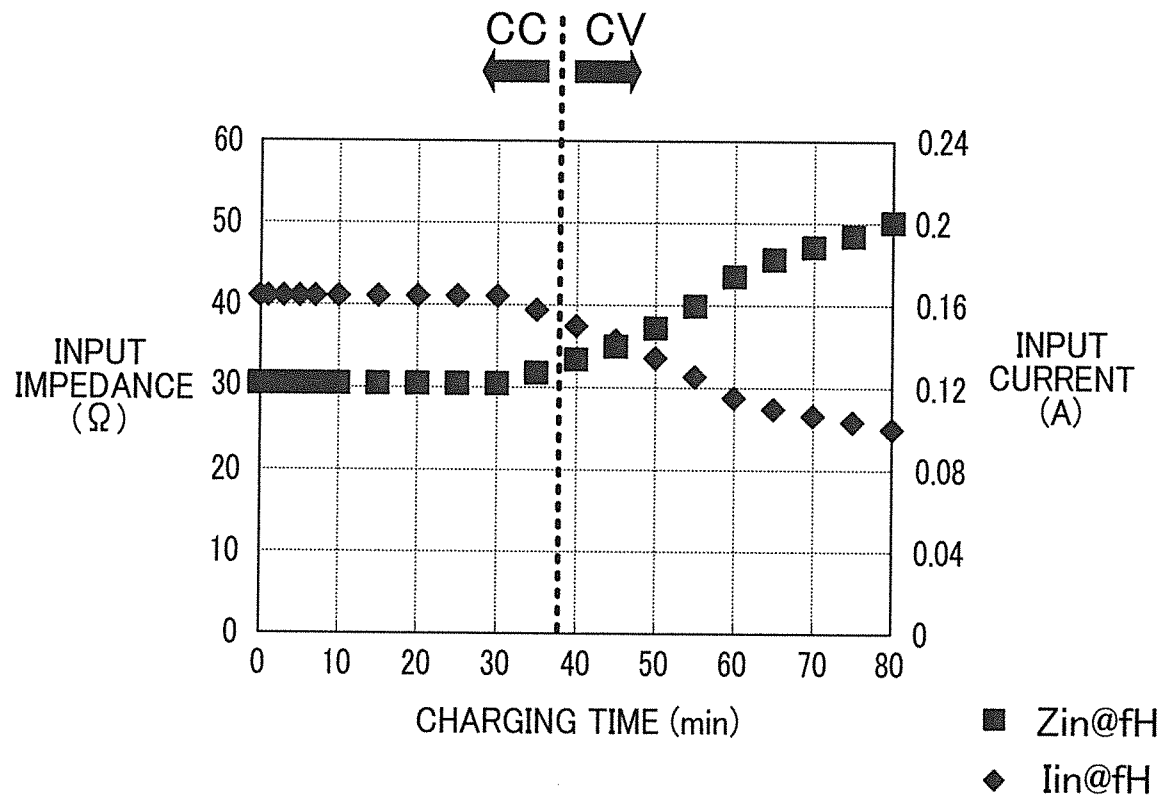


FIG.8

(MEASUREMENT EXPERIMENT 1-3)
RESONANCE FREQUENCY : $f_0=970\text{kHz}$

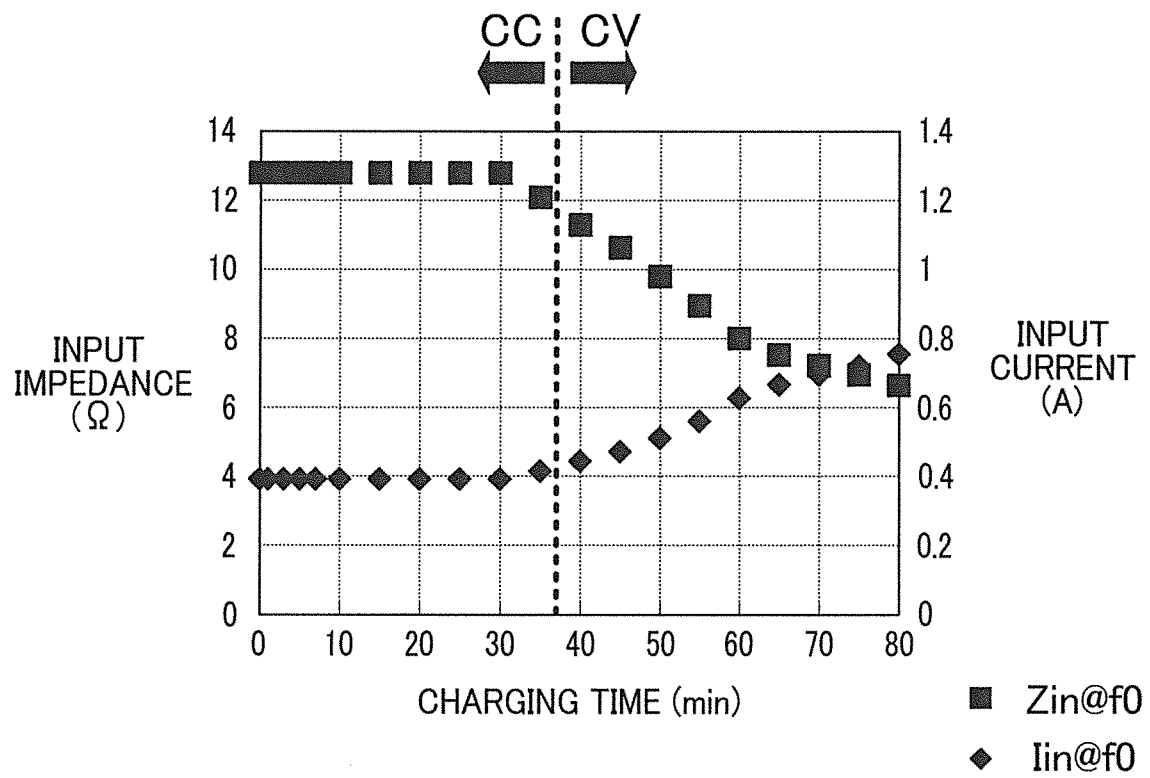
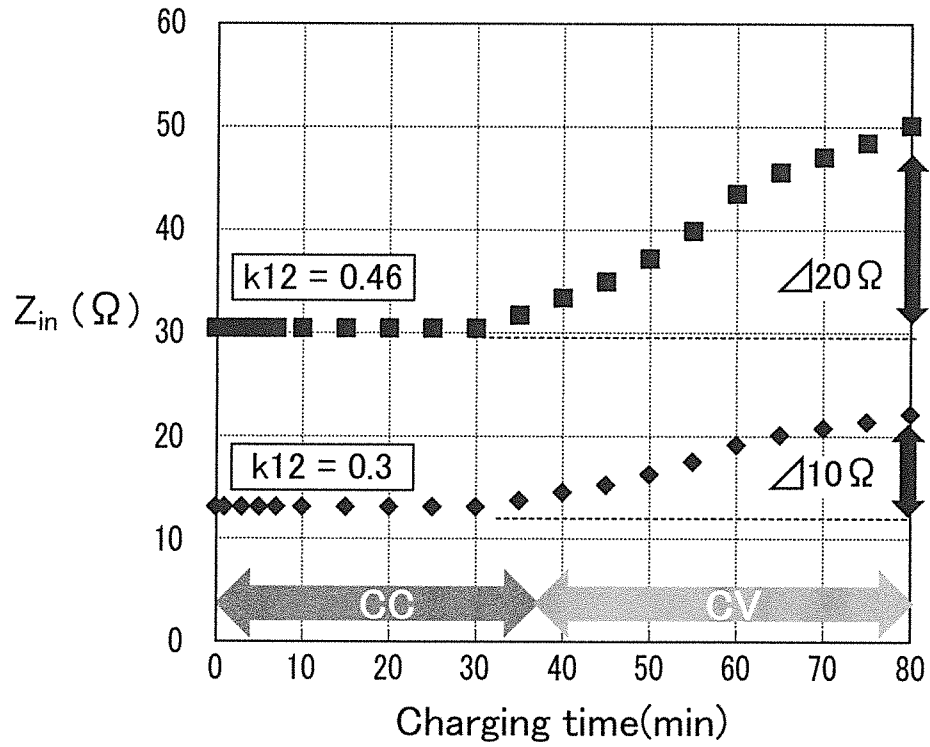


FIG.9

(MEASUREMENT EXPERIMENT 2-1)



(MEASUREMENT EXPERIMENT 2-2)

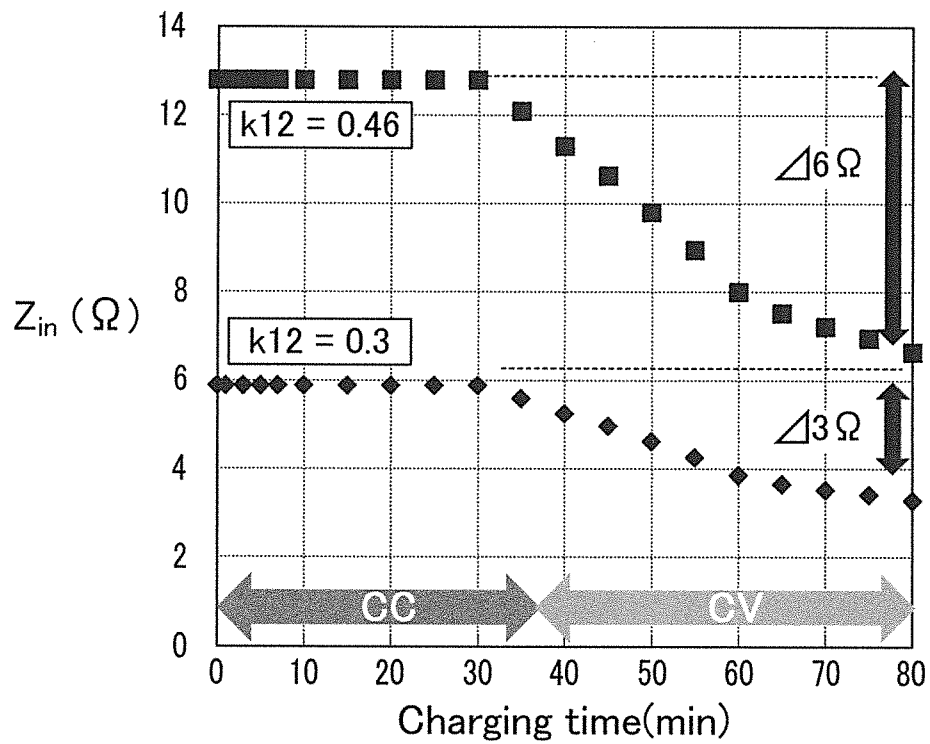
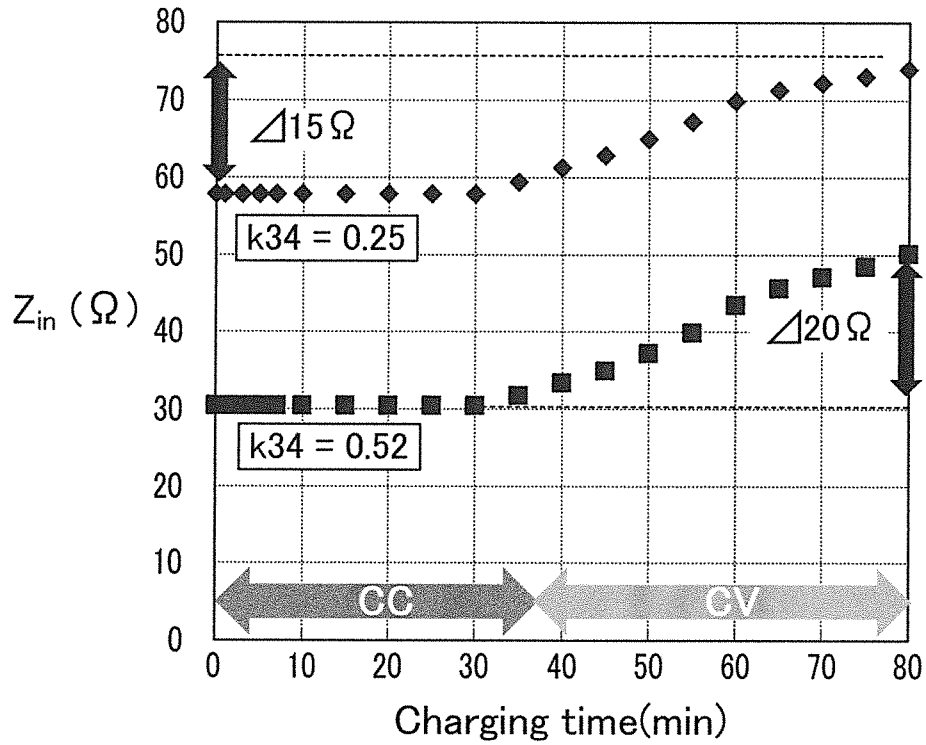


FIG.10

(MEASUREMENT EXPERIMENT 2-3)



(MEASUREMENT EXPERIMENT 2-4)

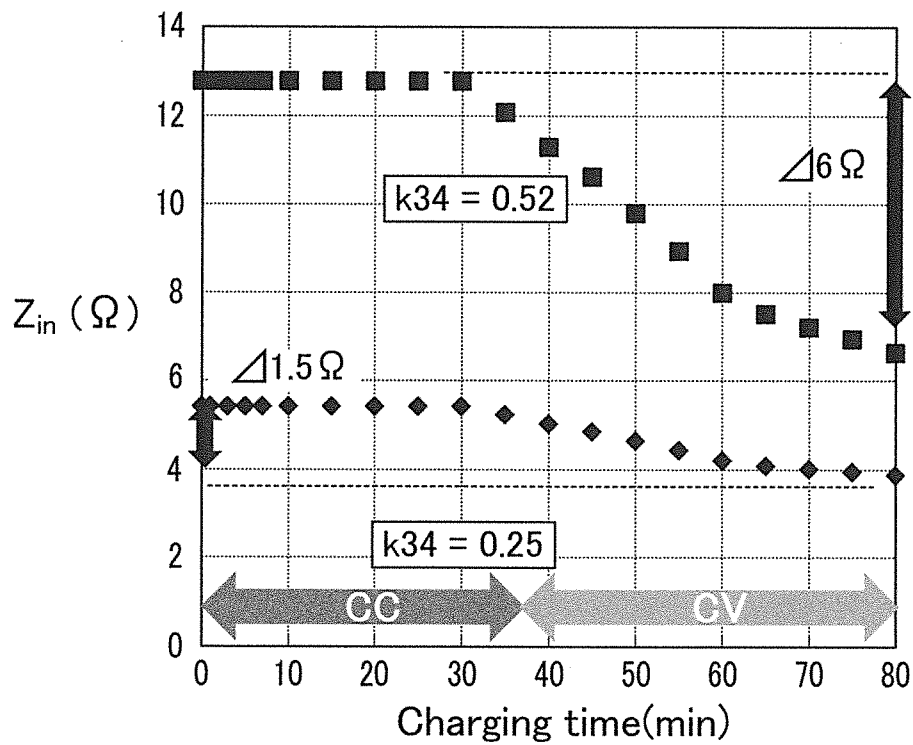


FIG.11

(MEASUREMENT EXPERIMENT 2-5)

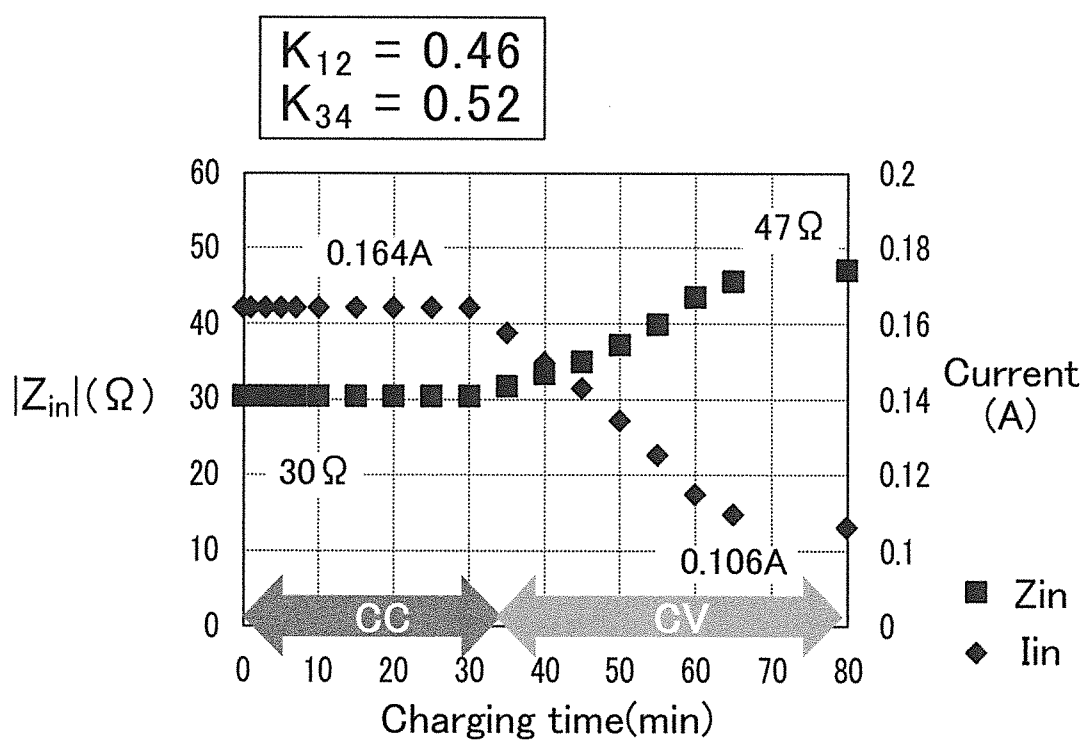
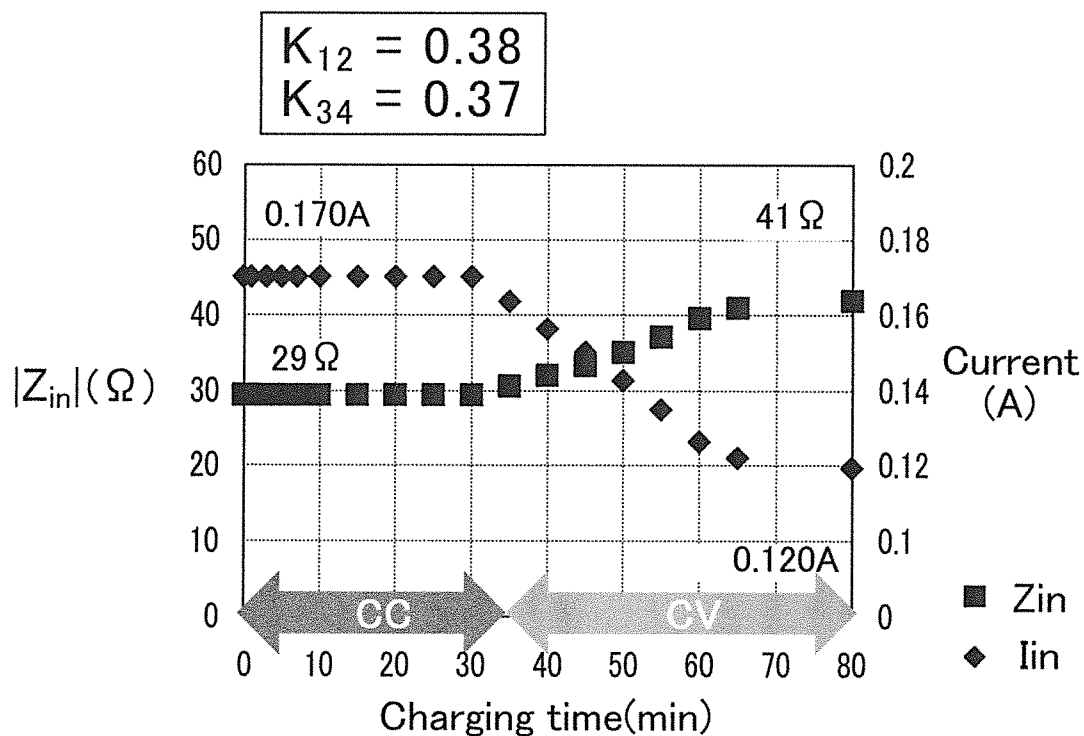


FIG.12

(MEASUREMENT EXPERIMENT 2-5)

CHARGING TIME (min)	$K_{12} = 0.38$ $K_{34} = 0.37$	$K_{12} = 0.46$ $K_{34} = 0.52$
0	23.2	22.5
5	36	36.3
10	38.2	38
20	39.6	38.4
30	39.4	39.1
40	39.5	38.5
50	39.4	38
60	39.4	37.8
70	39.2	37.7
80	39.2	37.6

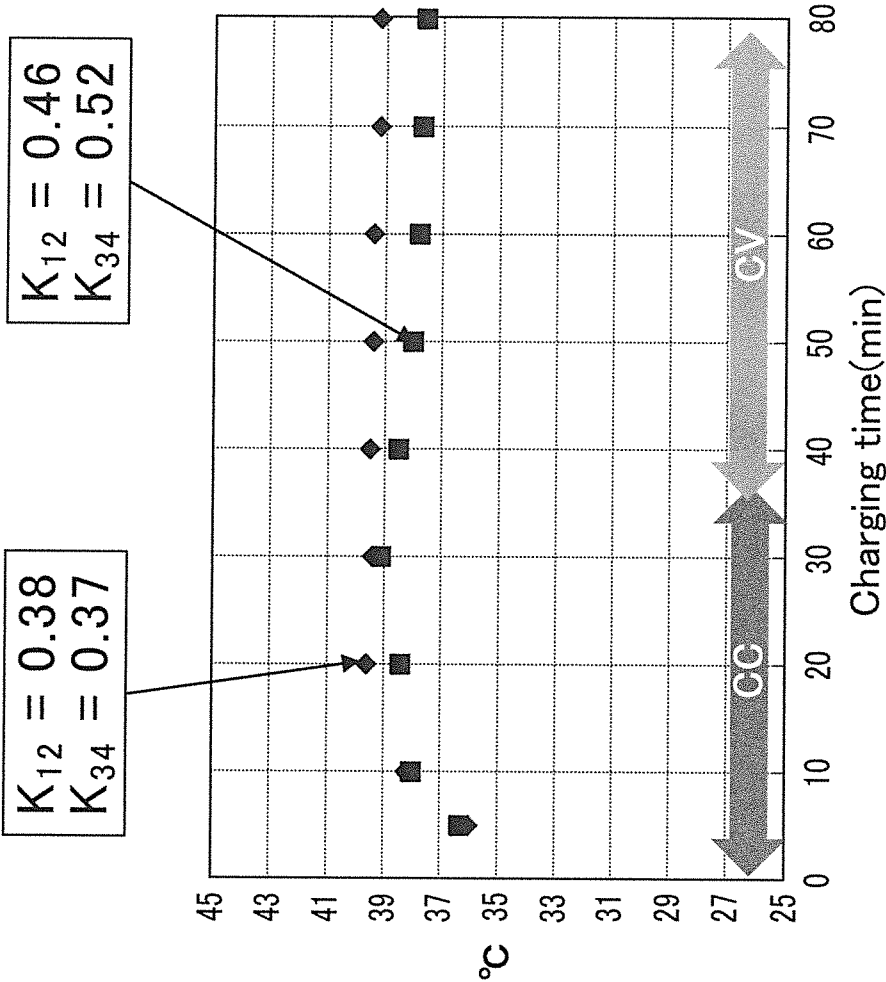
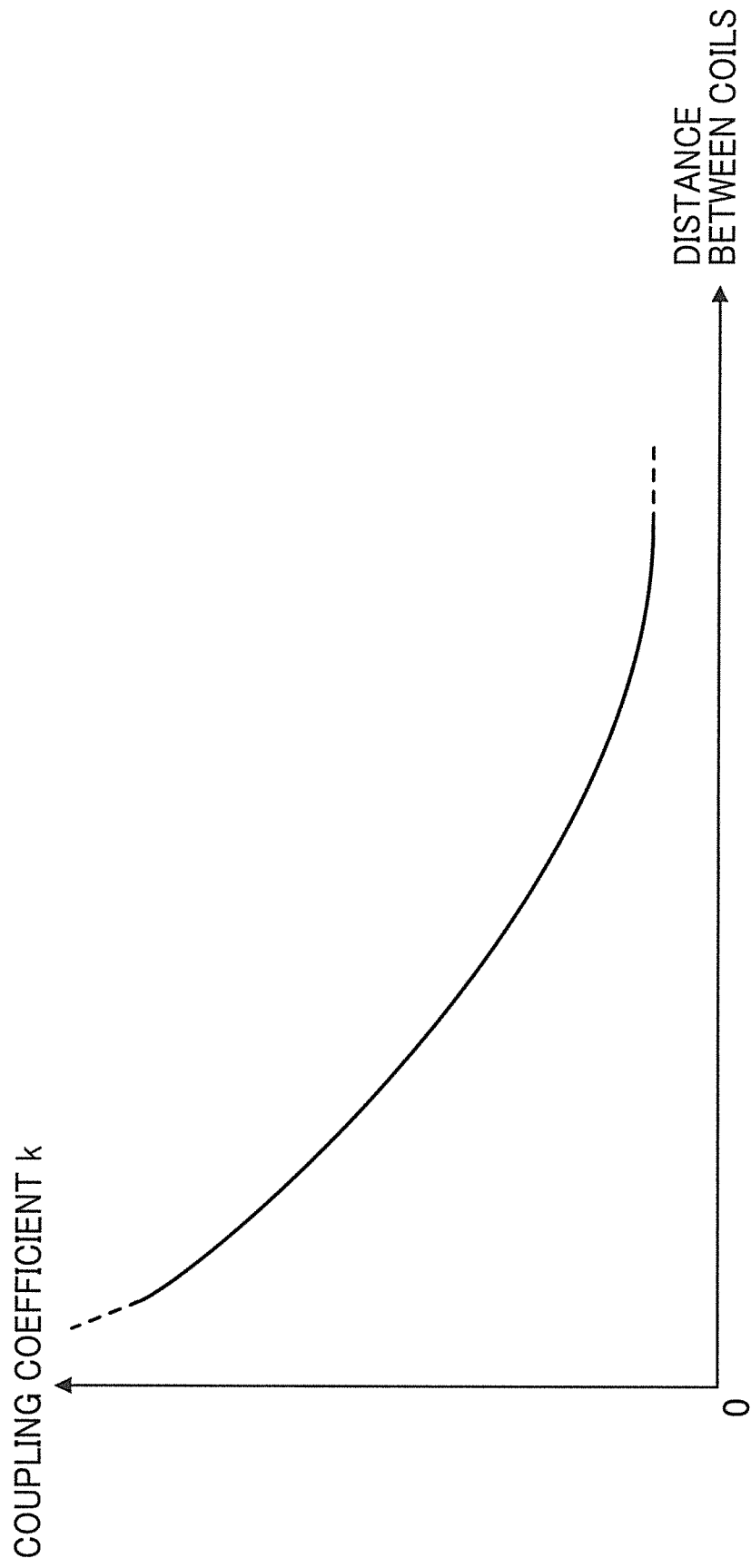


FIG.13



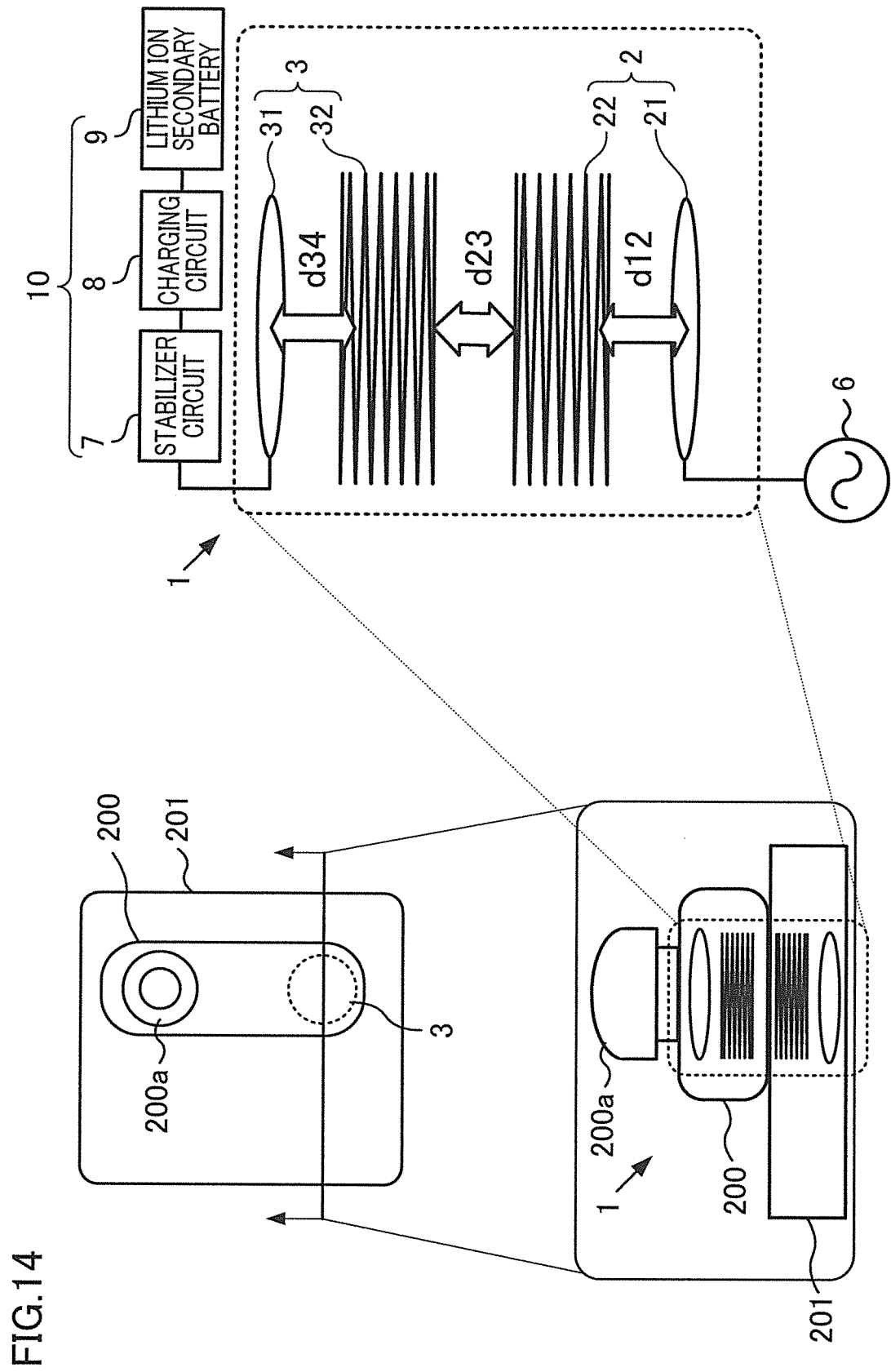


FIG.15

