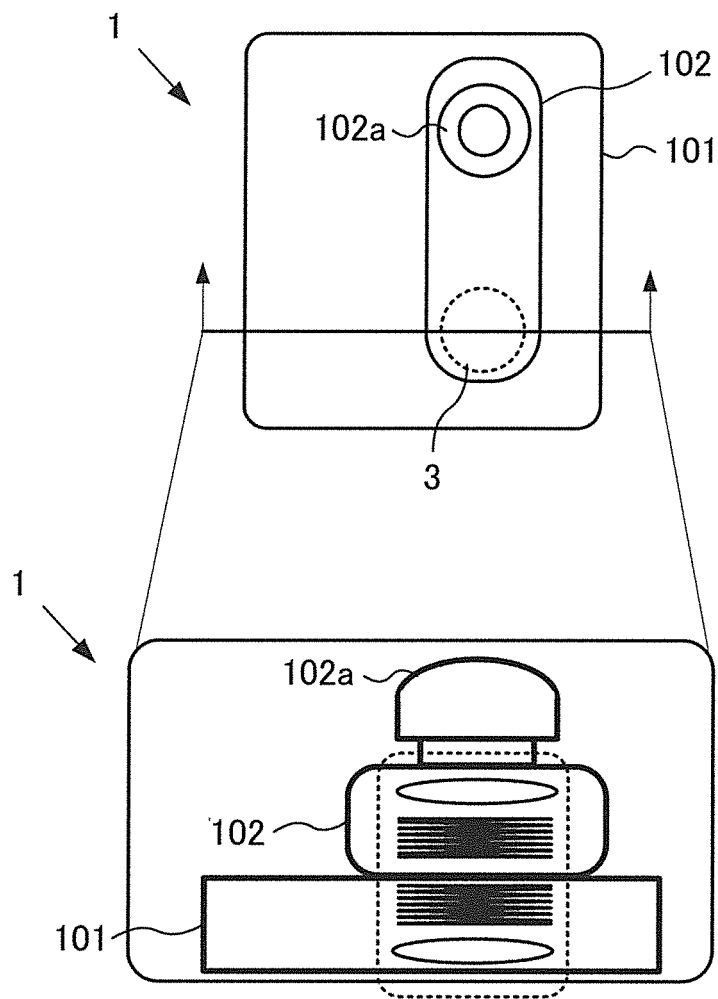
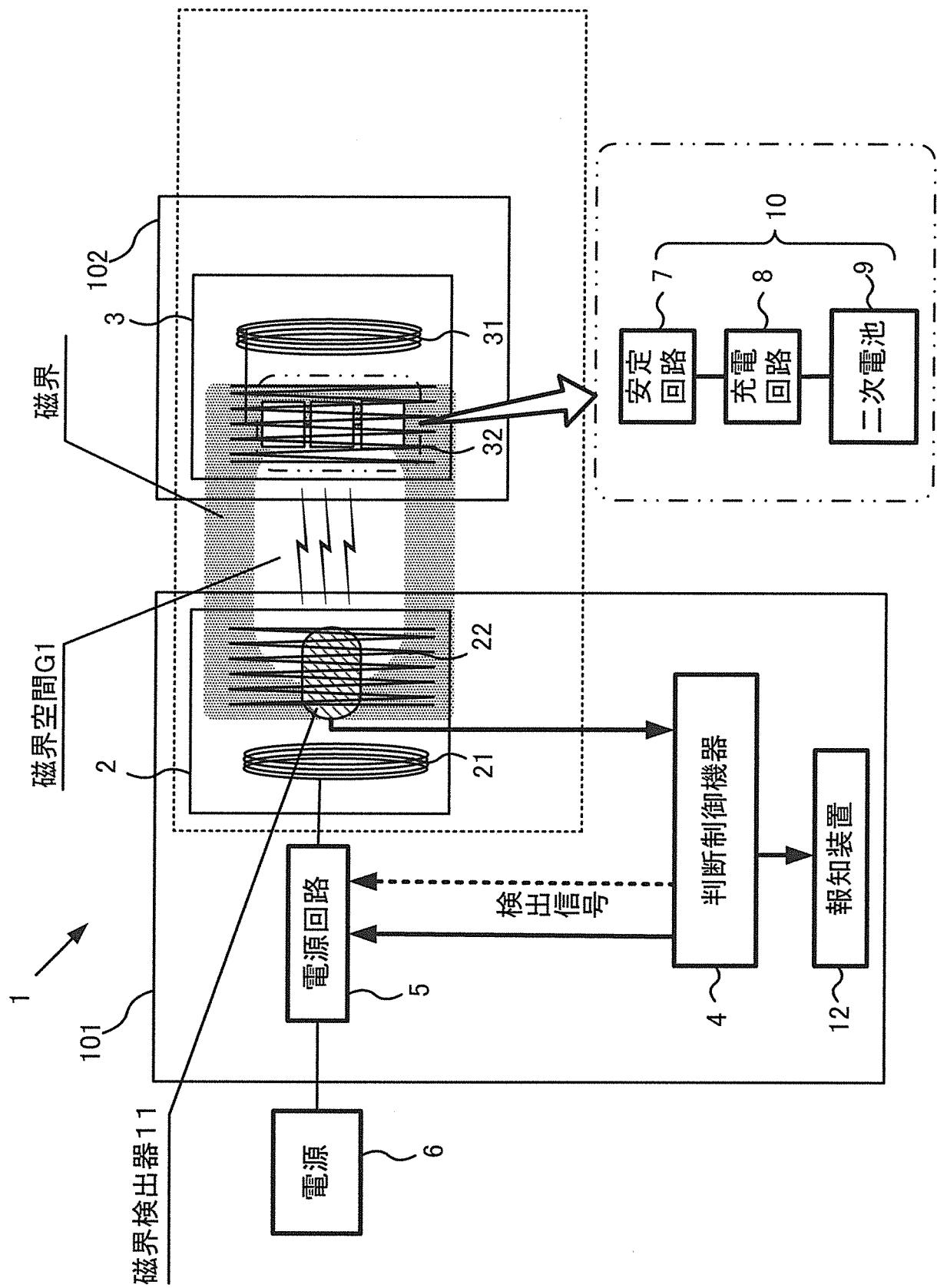


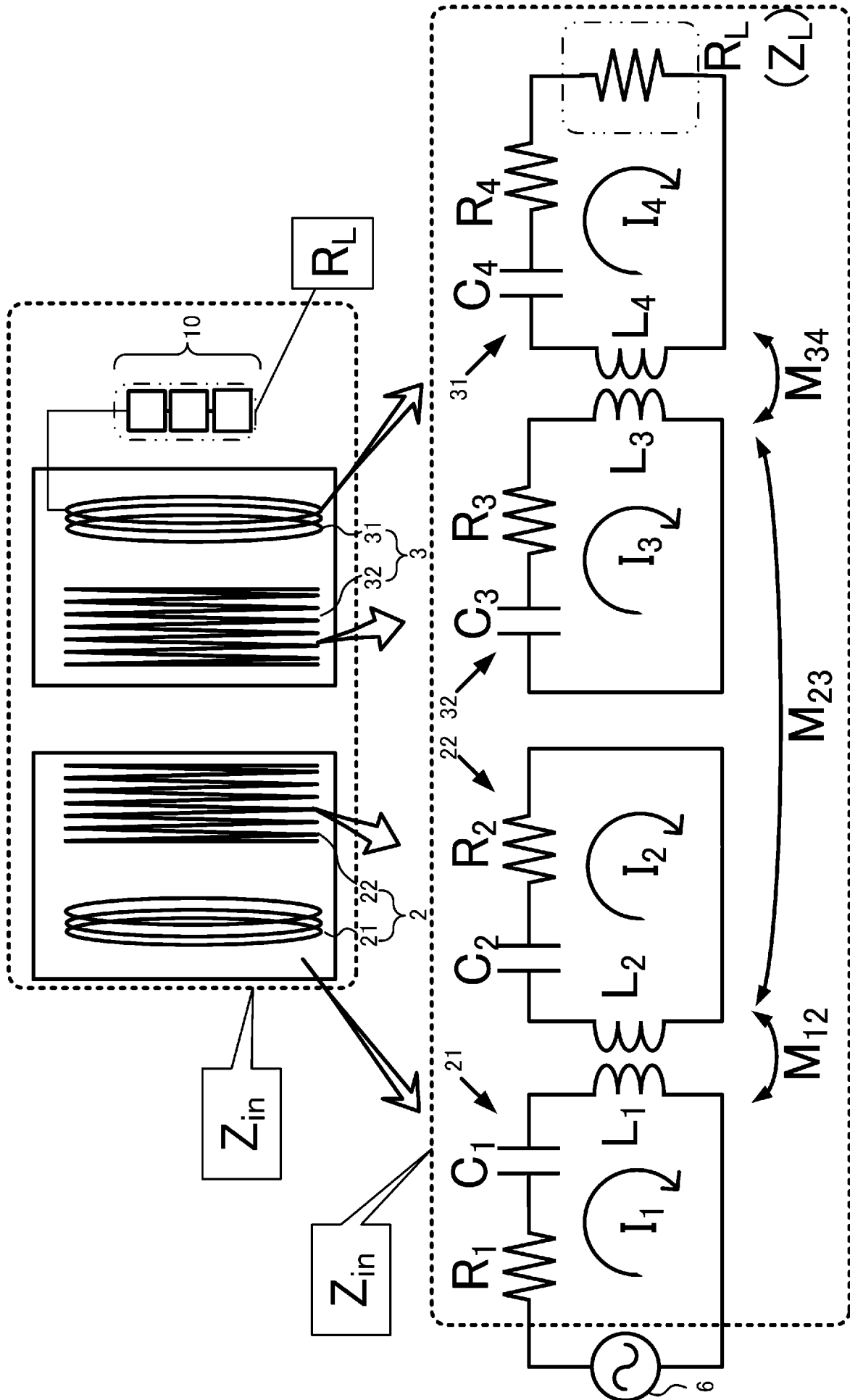
[図1]



[図2]

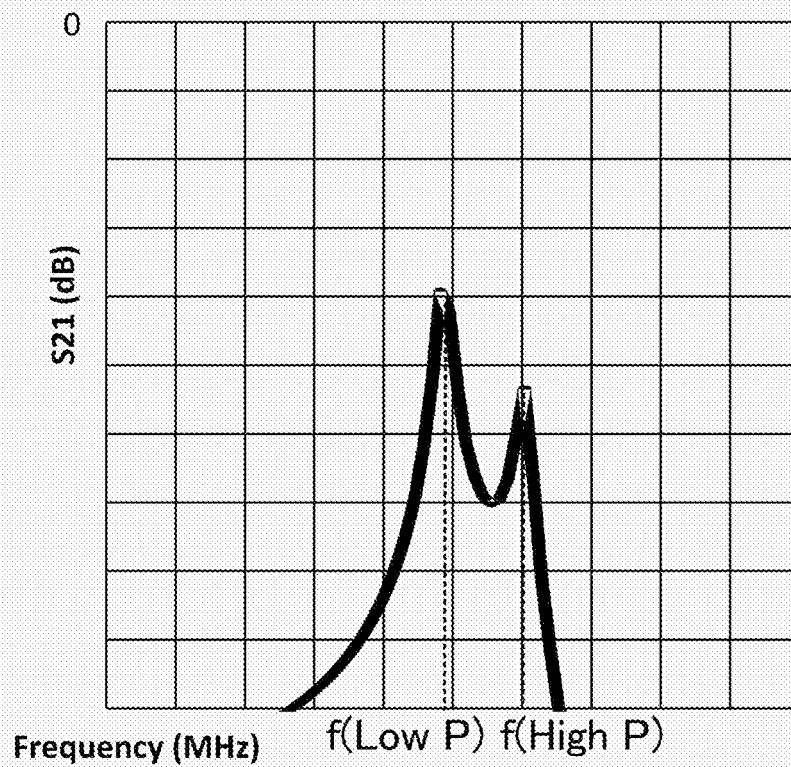


[図3]

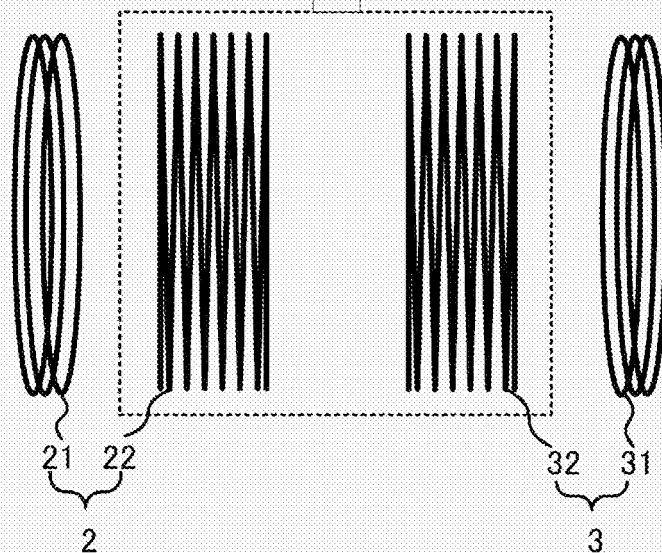


[図4]

(共振器間における伝送特性『S21』が2つのピークを持つときのグラフ)

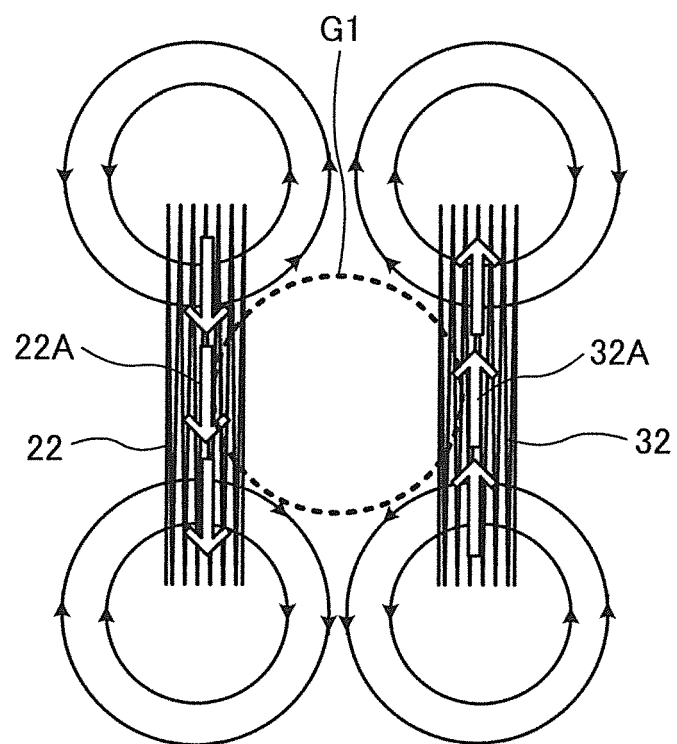


給電共振器と受電共振器との間における
伝送特性『S21』

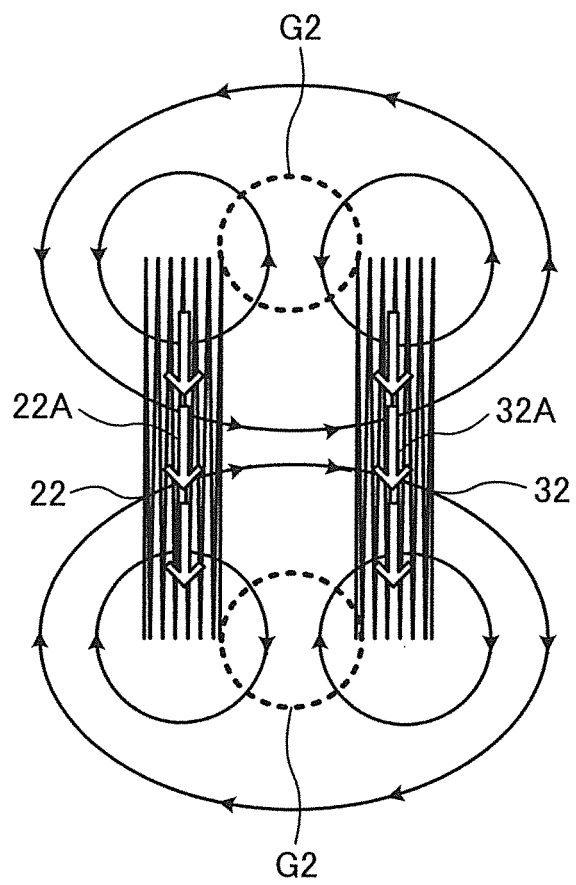


合電共振器22、及び、受電共振器32における
伝送特性『S21』の測定

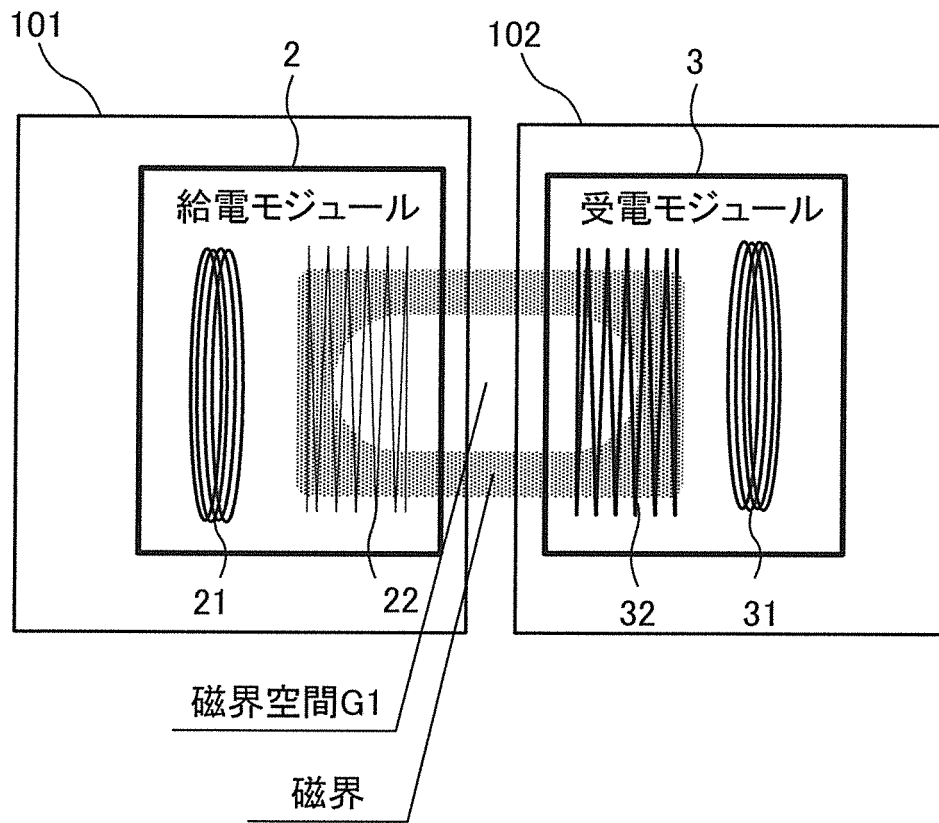
[図6]



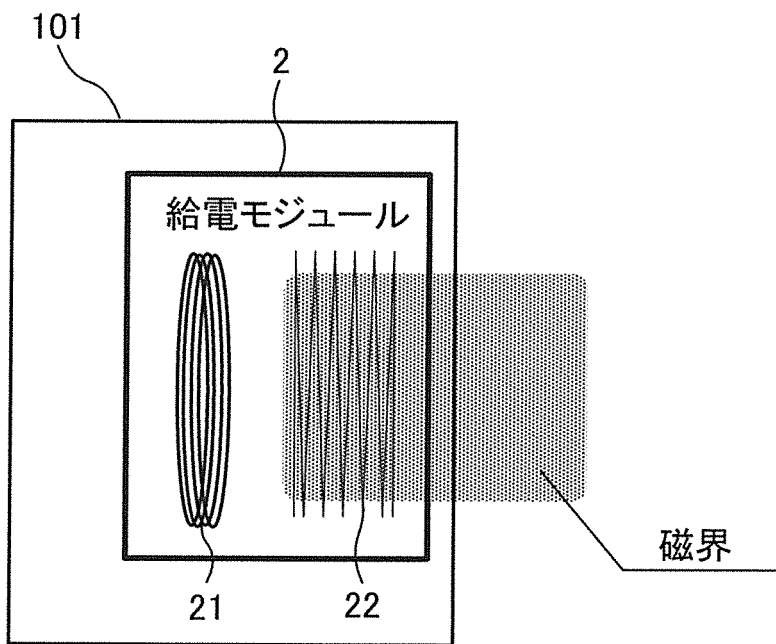
[図7]



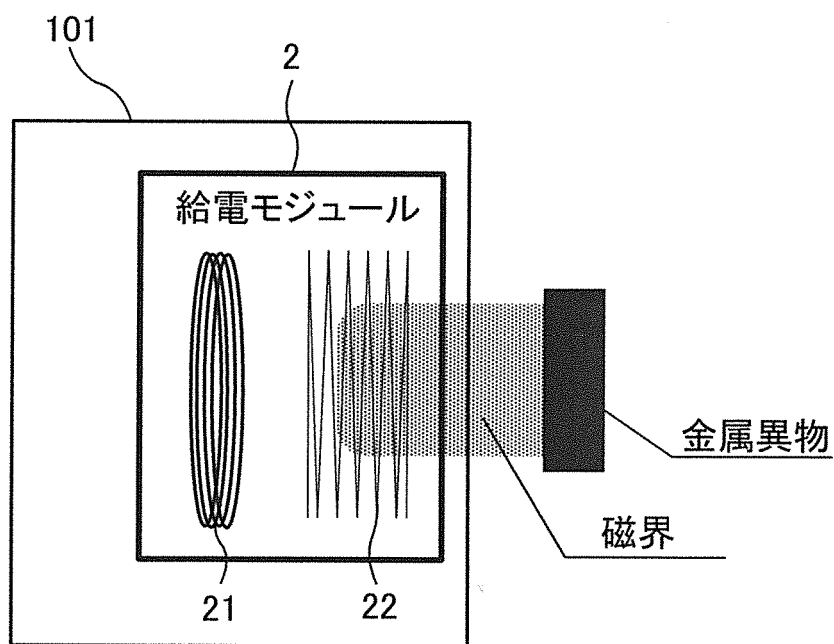
[図8]



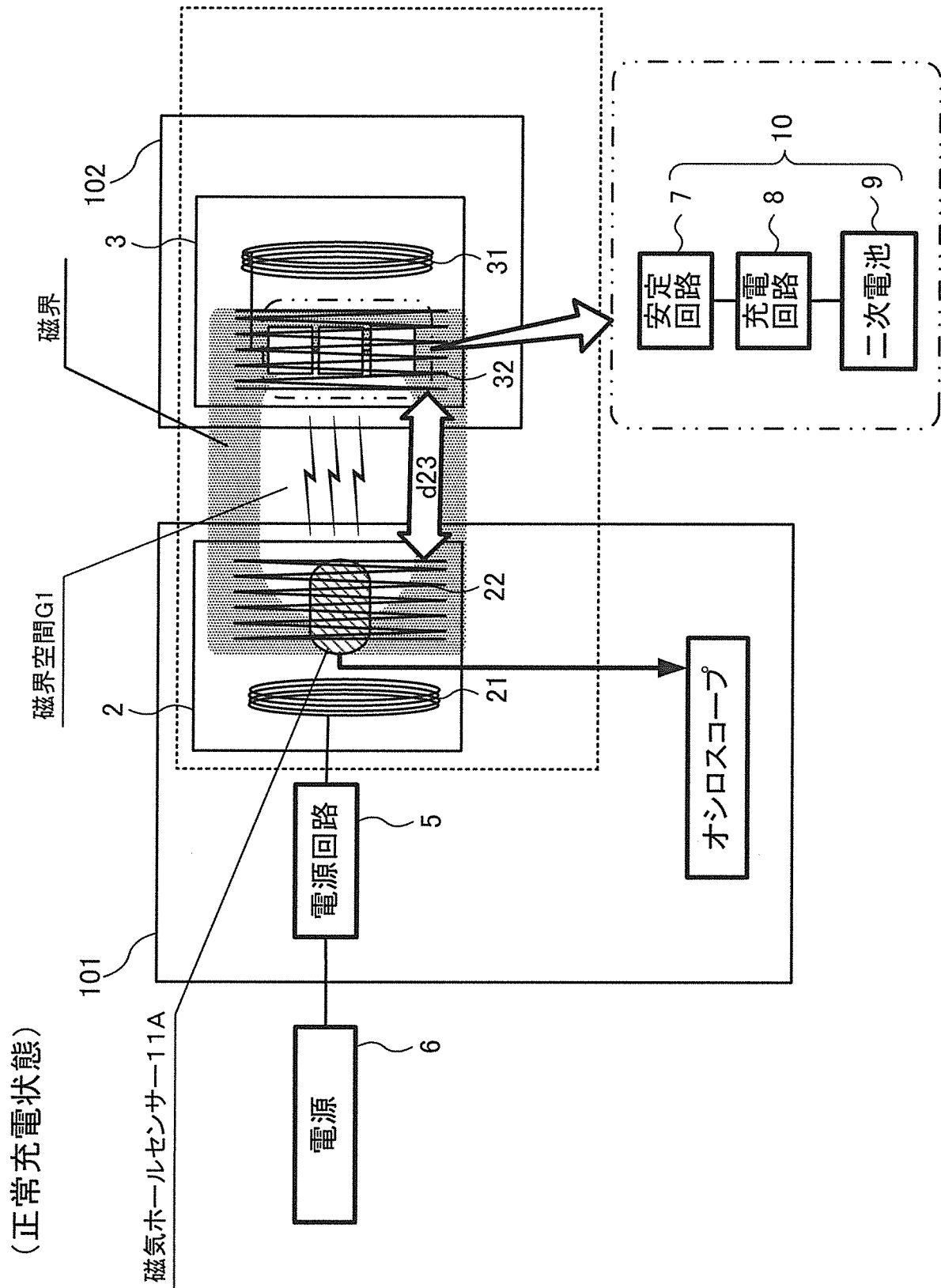
[図9]



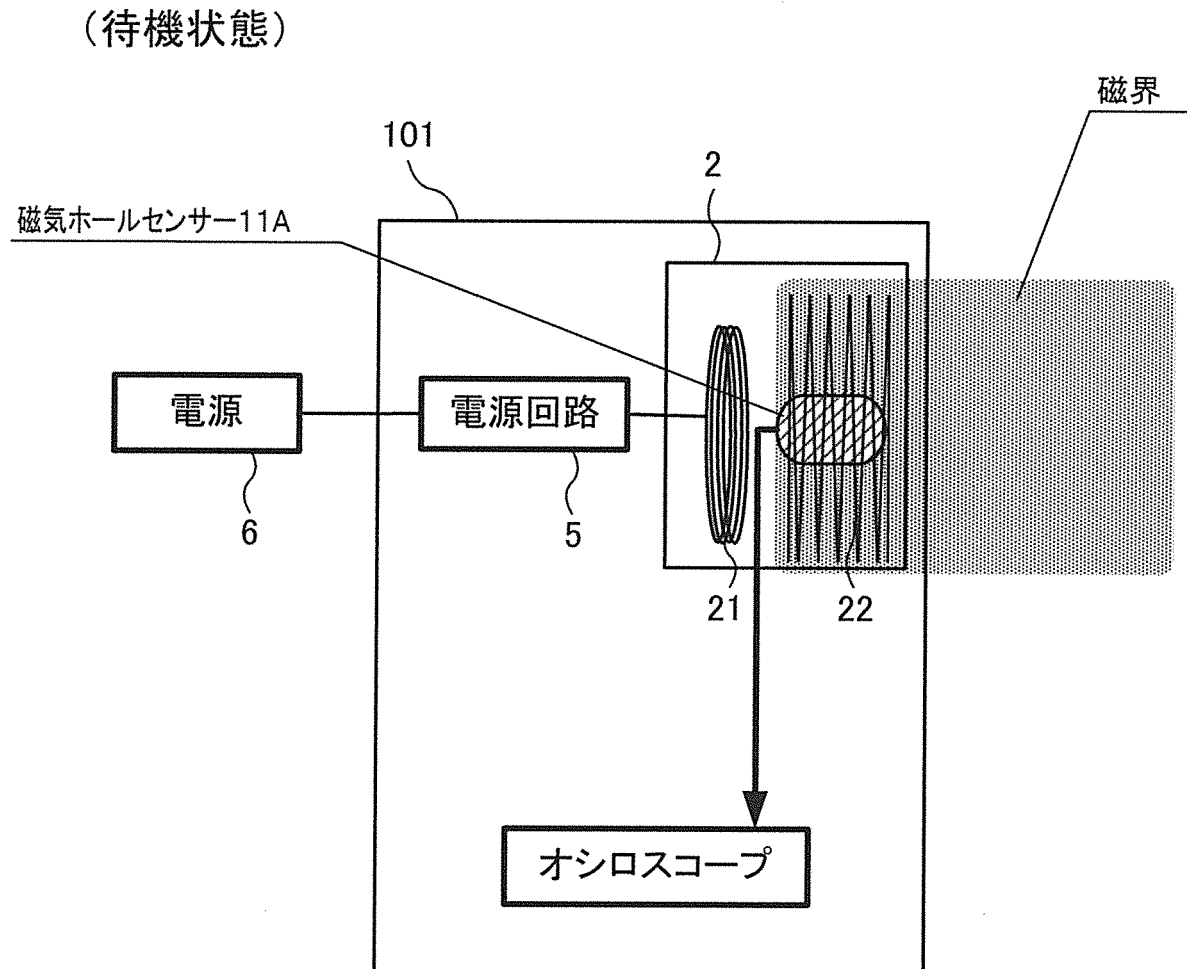
[図10]



[図11]

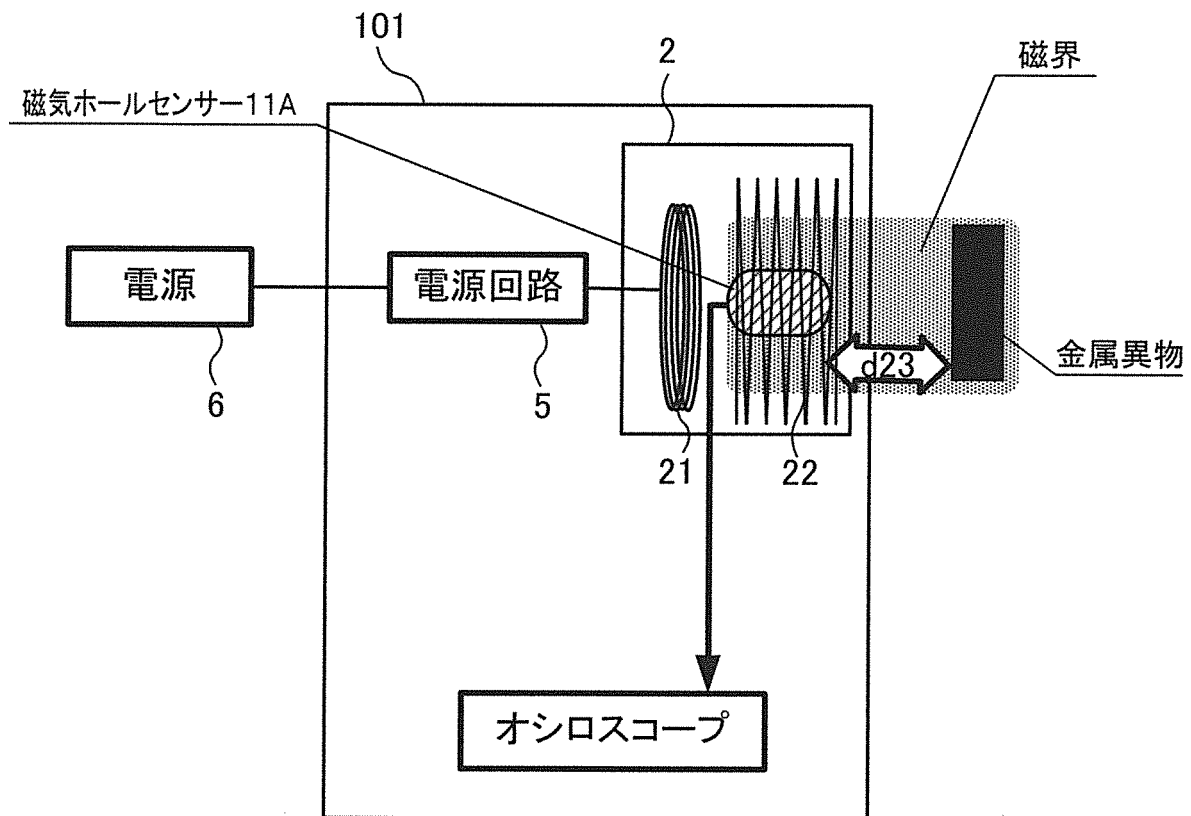


[図12]

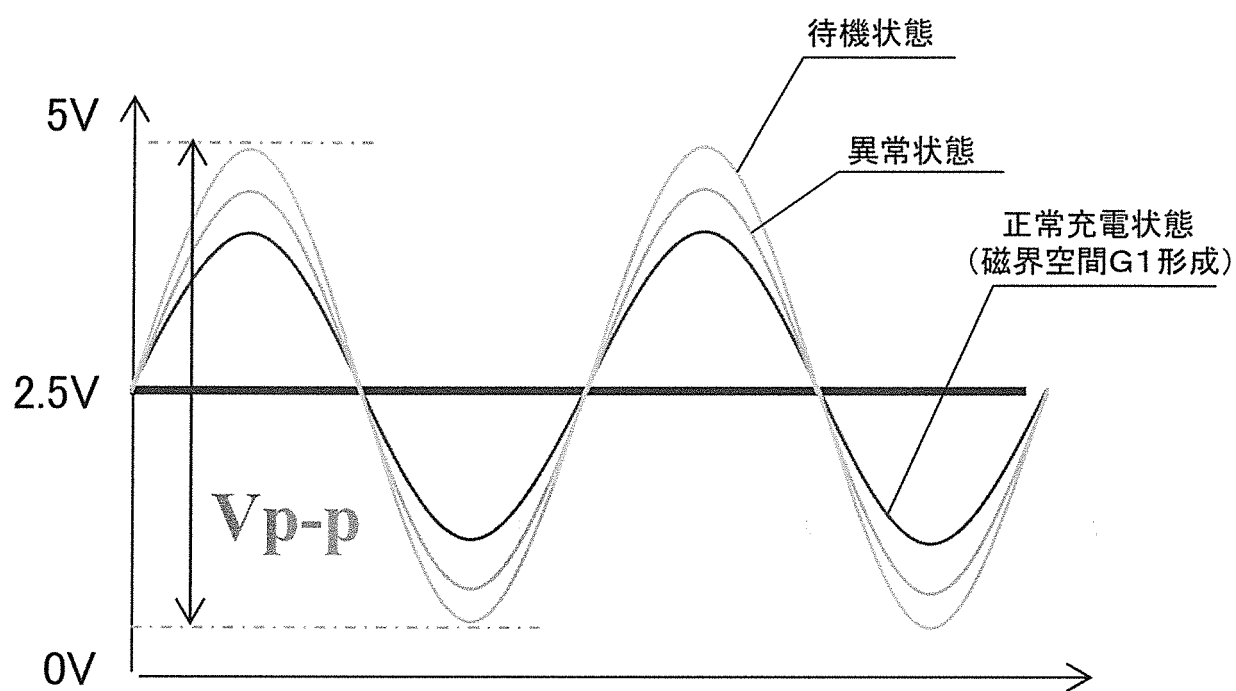


[図13]

(異常状態)



[図14]



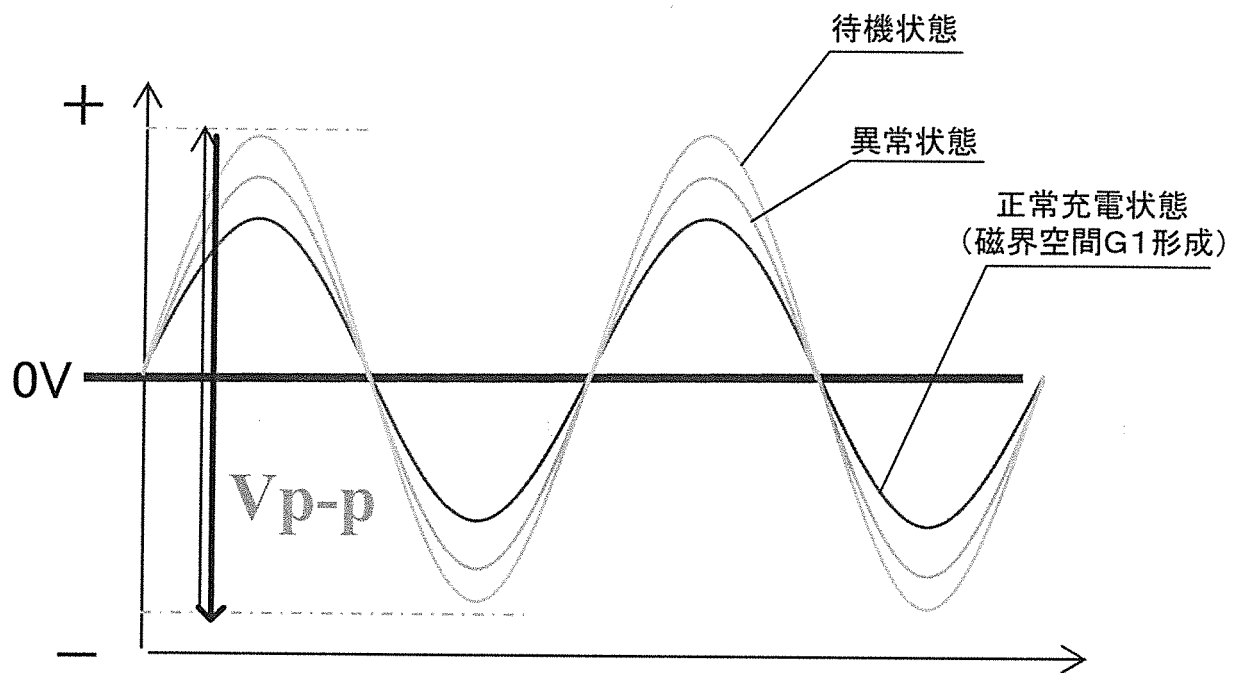
[図15]

(測定実験1)

異常状態

磁気ホールセンサ	待機状態	d23	銅 (5mm片)	アルミ (5mm片)	銅 (10mm片)	アルミ (10mm片)	正常充電 状態
検出電圧p-p[mV]	94.6	3mm	92.7	92.1	89.0	89.2	83.5
検出電圧p-p[mV]	94.6	2mm	92.3	92.5	86.1	86.5	81.3

[図16]



[図17]

(測定実験2)

磁気検出コイル φ5mm	待機状態	d23	異常状態				正常充電 状態
			銅 (5mm片)	アルミ (5mm片)	銅 (10mm片)	アルミ (10mm片)	
検出電圧Vp-p[V]	2.74	3mm	2.62	2.62	2.36	2.36	1.86
検出電圧Vp-p[V]	2.74	2mm	2.52	2.52	2.04	2.06	1.72

[図18]

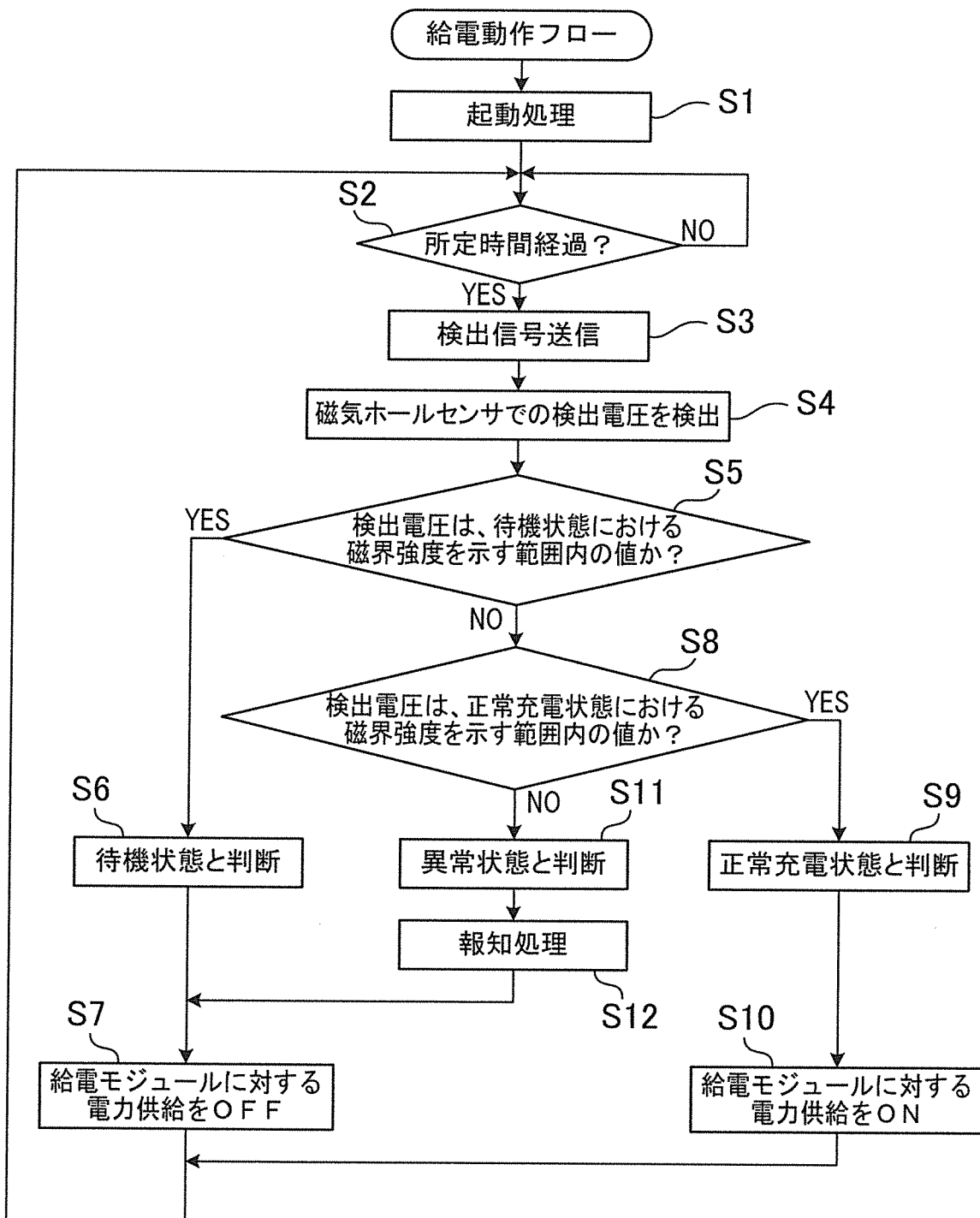
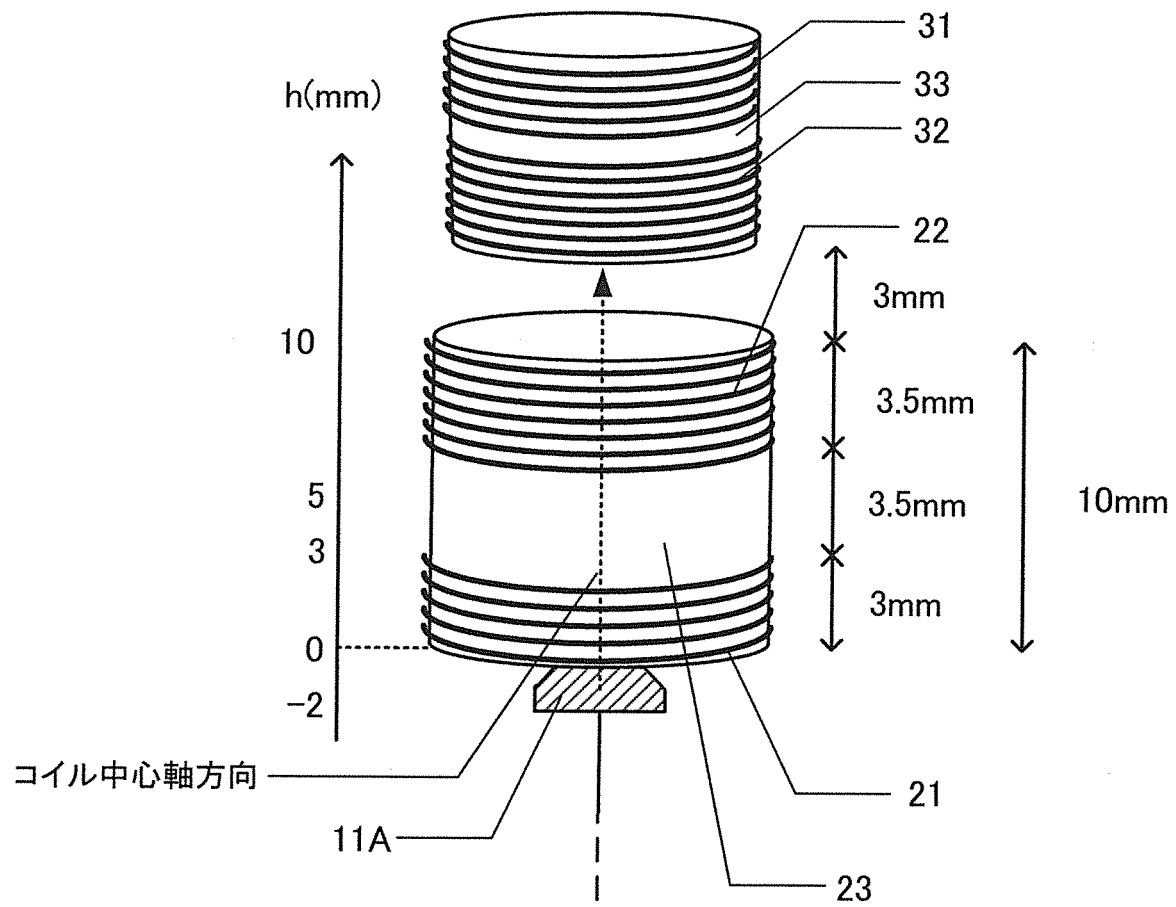


Figure 1 is a perspective view of a cylindrical coil assembly 22. A vertical h-axis is shown on the left, with markings at -2, 0, 3, 5, and 10 mm. The coil 22 has a total height of 10 mm, divided into three sections: 3.5 mm, 3.5 mm, and 3 mm. The top surface is labeled 22A. The coil is wound around a central axis. A dashed line indicates the coil's center axis direction. A cross-section 23 is shown at the bottom of the coil. A detailed view of the substrate 21 is shown at the bottom, with dimensions 4 mm (width) and 3 mm (height). A cross-section of the substrate is also shown with a width of 4 mm and a height of 1.5 mm.

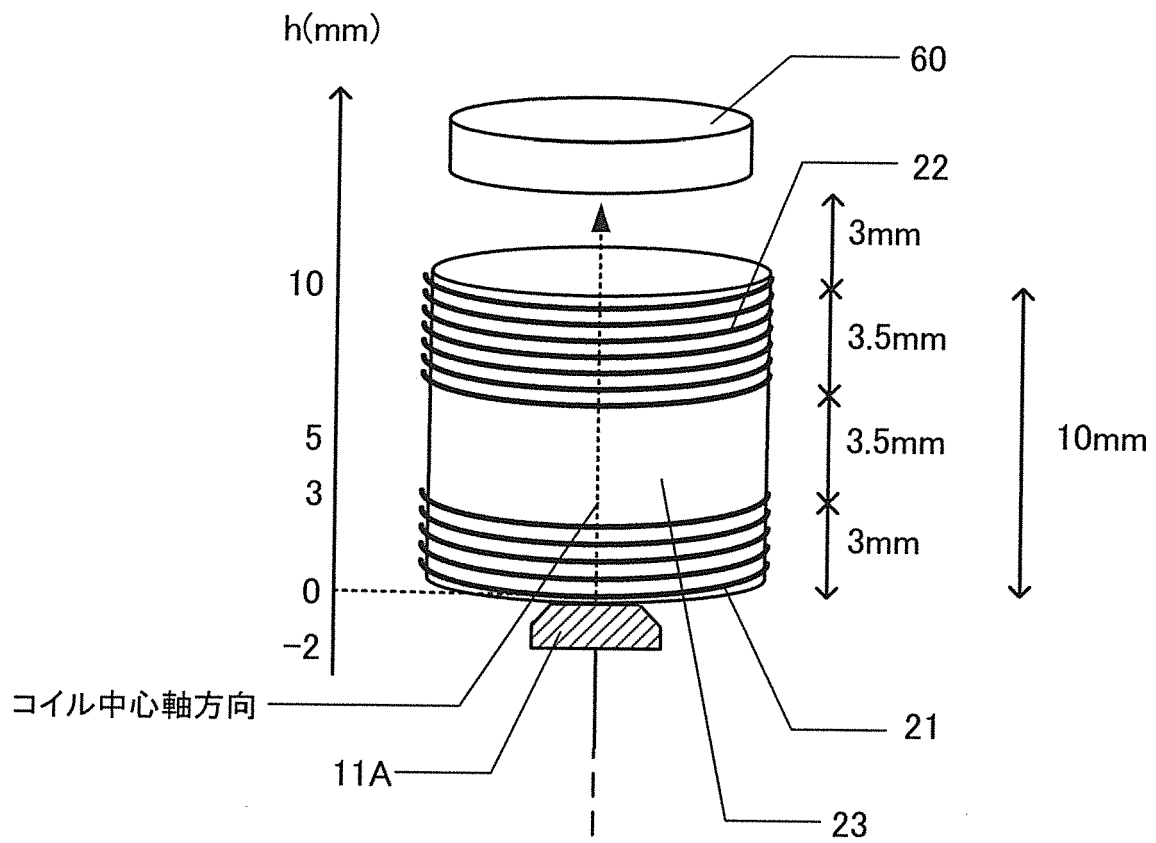
[図20]

(正常充電状態)

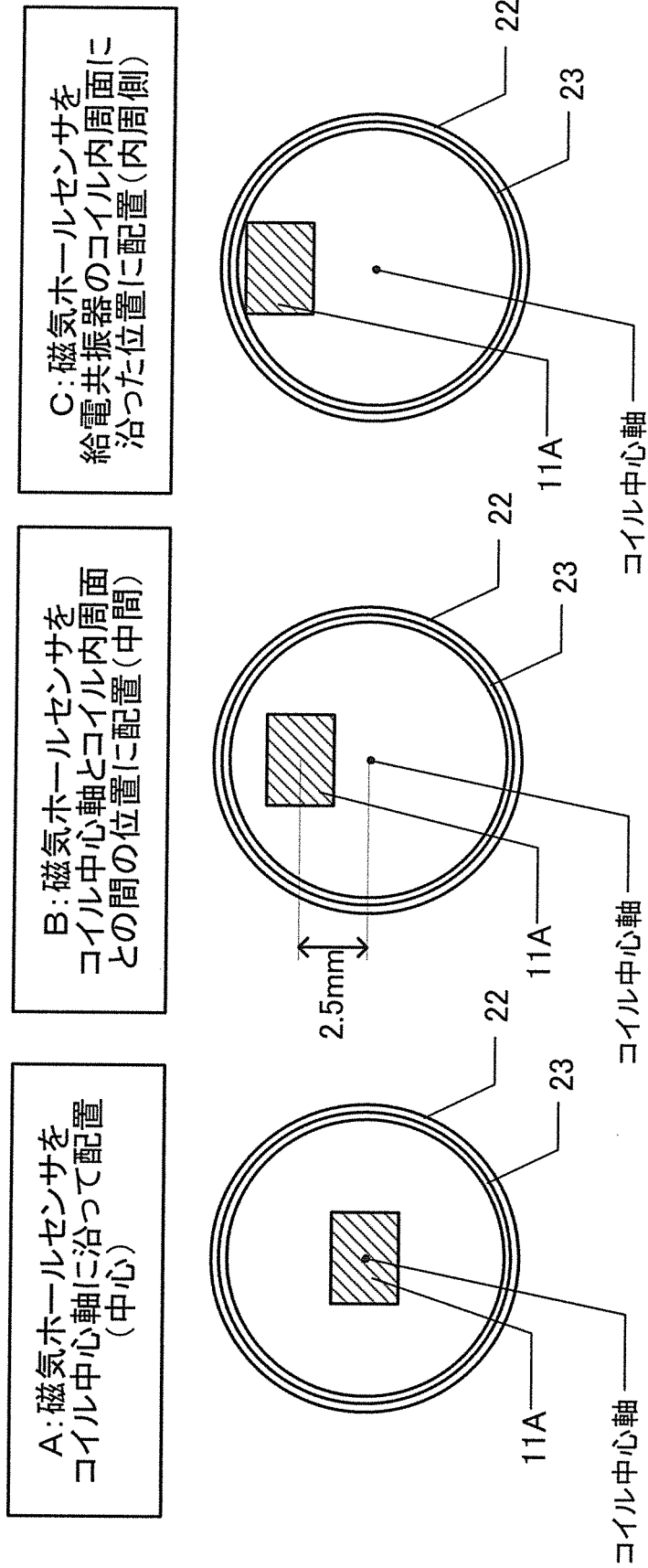


[図21]

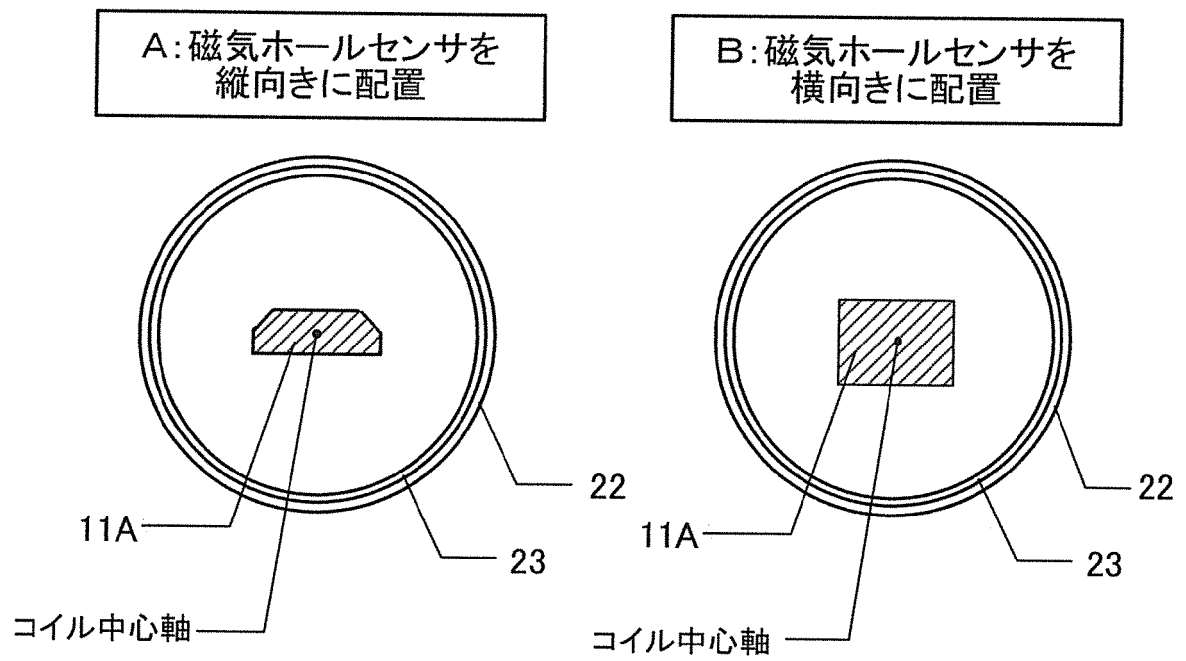
(異常状態)



[図22]

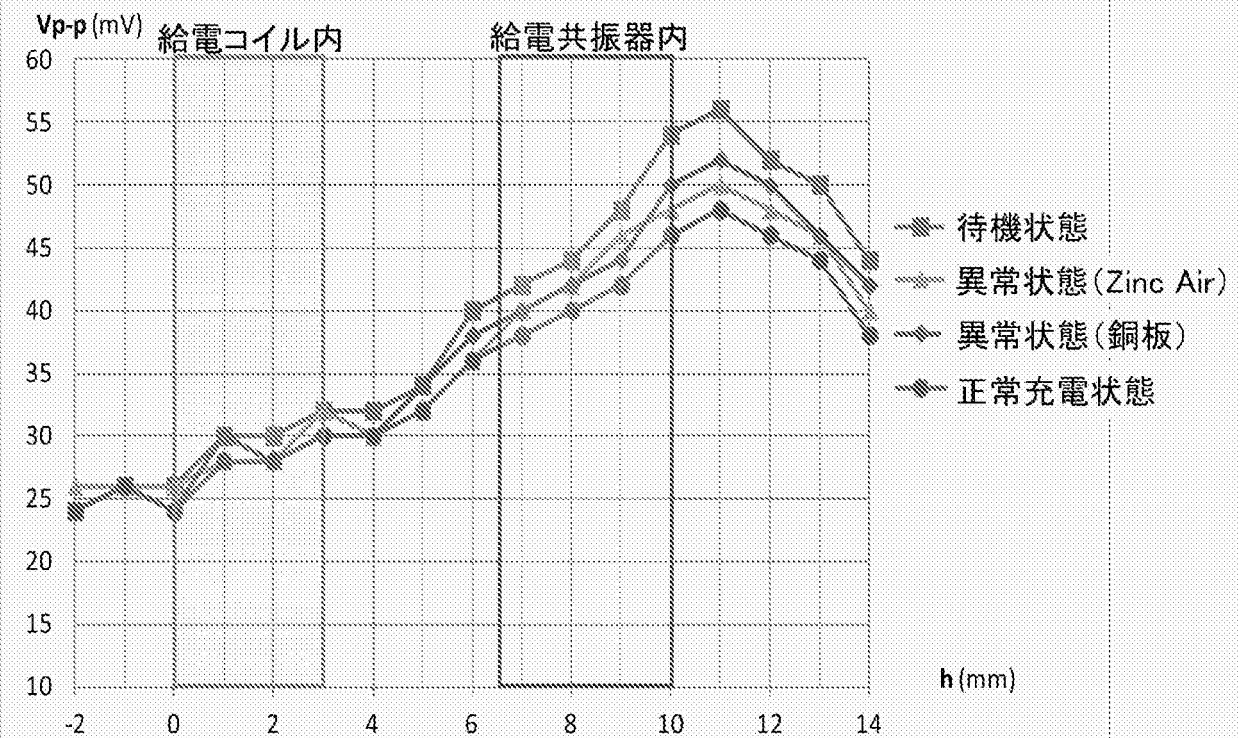


[図23]

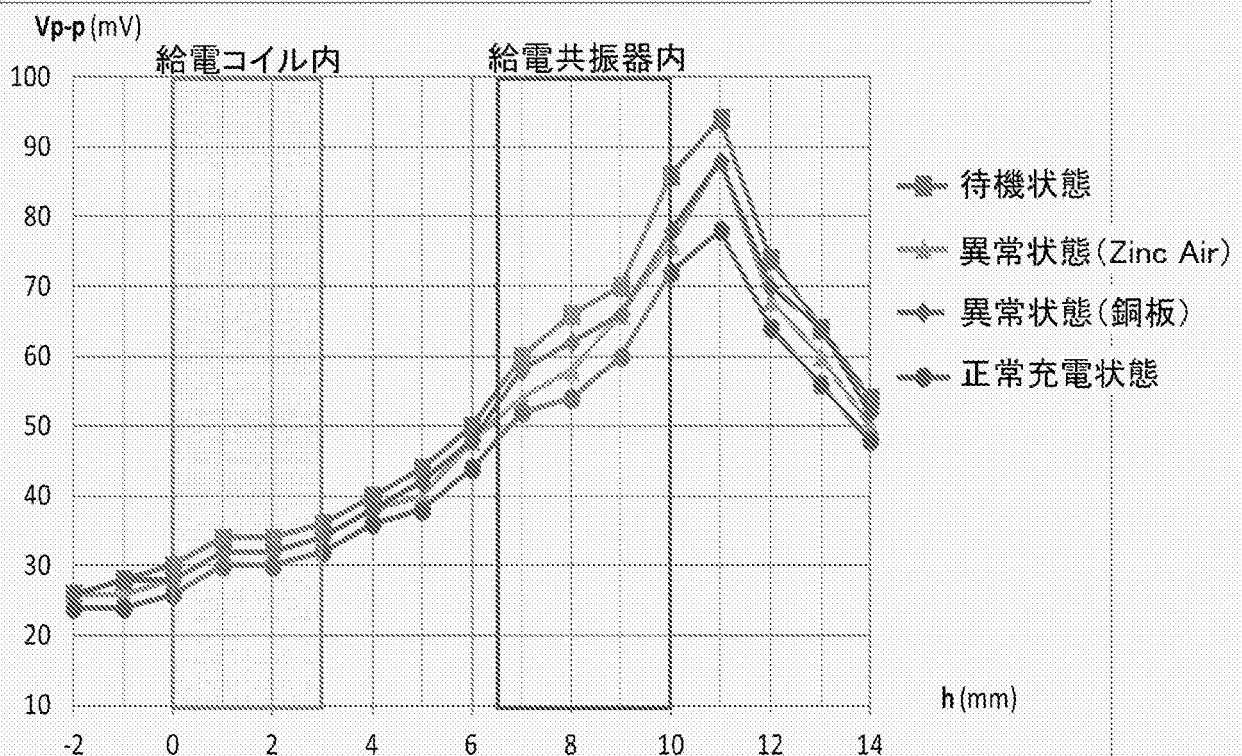


[図24]

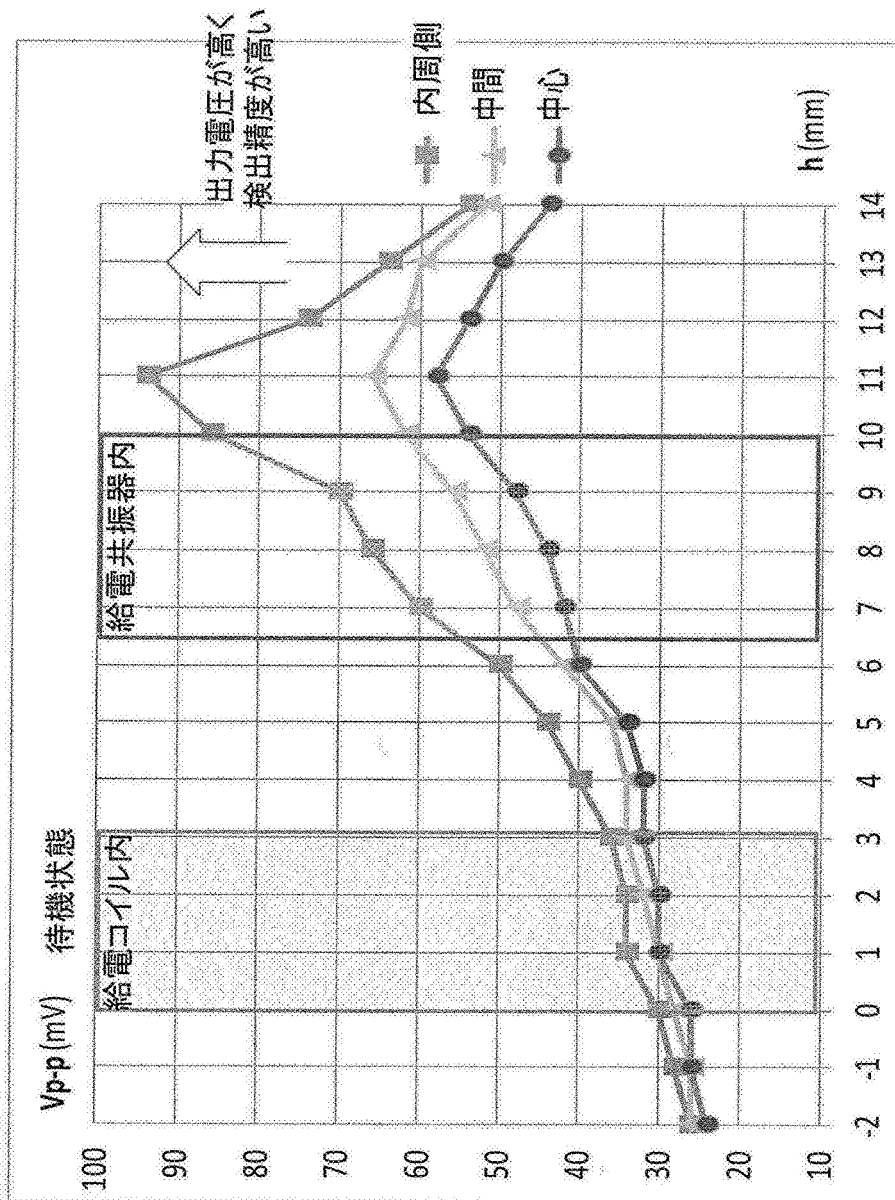
A: 磁気ホールセンサをコイル中心軸に沿って移動させた場合



C: 磁気ホールセンサを
給電共振器のコイル内周面に沿って移動させた場合

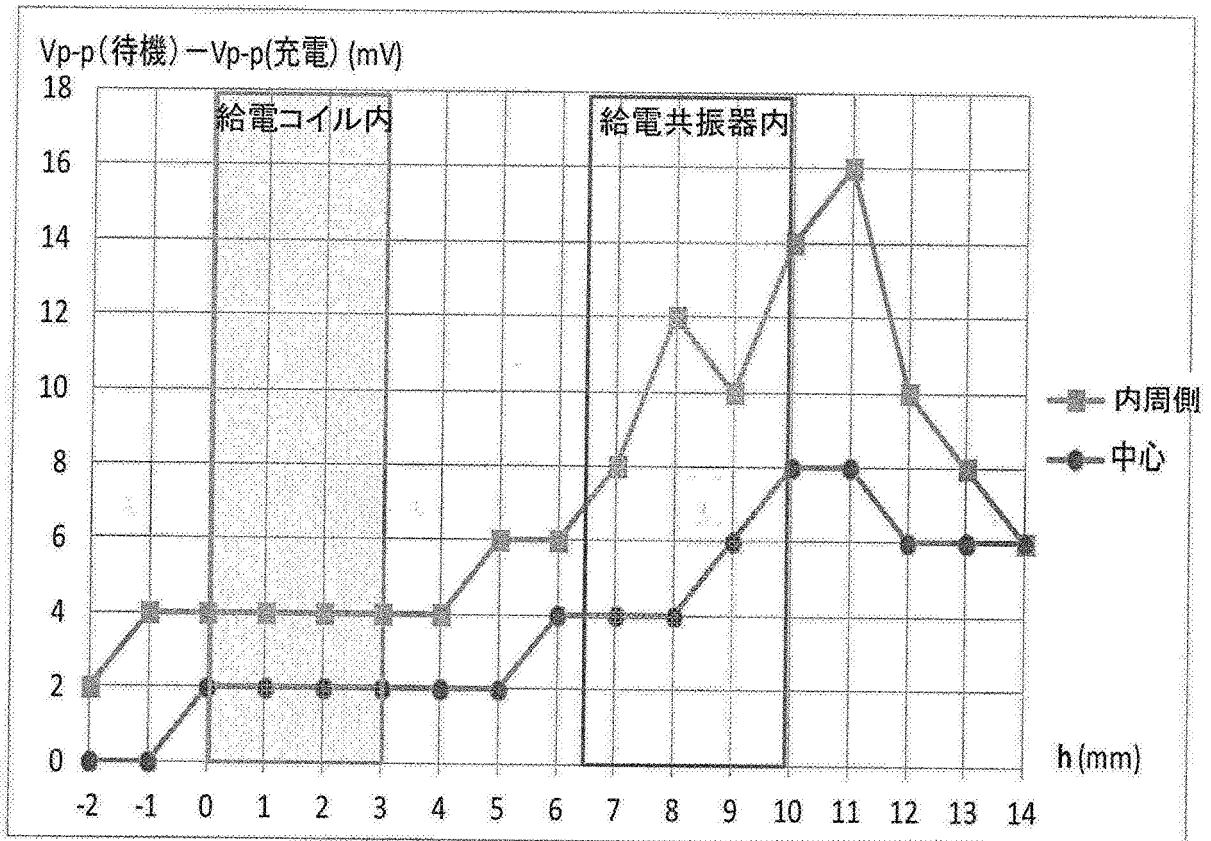


[図25]



h	中心	中間	内周側
14	44	52	54
13	50	60	64
12	54	62	74
11	58	66	94
10	54	62	86
9	48	56	70
8	44	52	66
7	42	48	60
6	40	42	50
5	34	36	44
4	32	34	40
3	32	34	36
2	30	32	34
1	30	30	34
0	26	28	30
-1	26	26	28
-2	24	26	26

[図26]



[図27]

