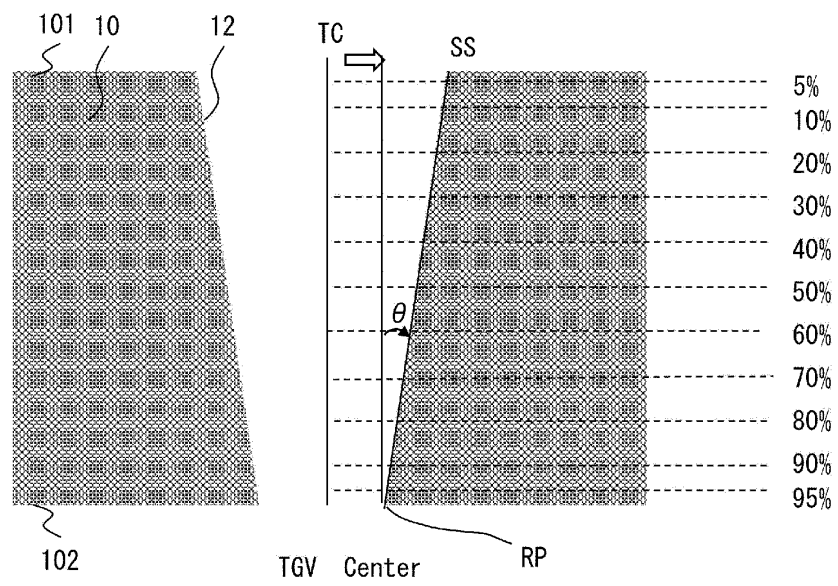


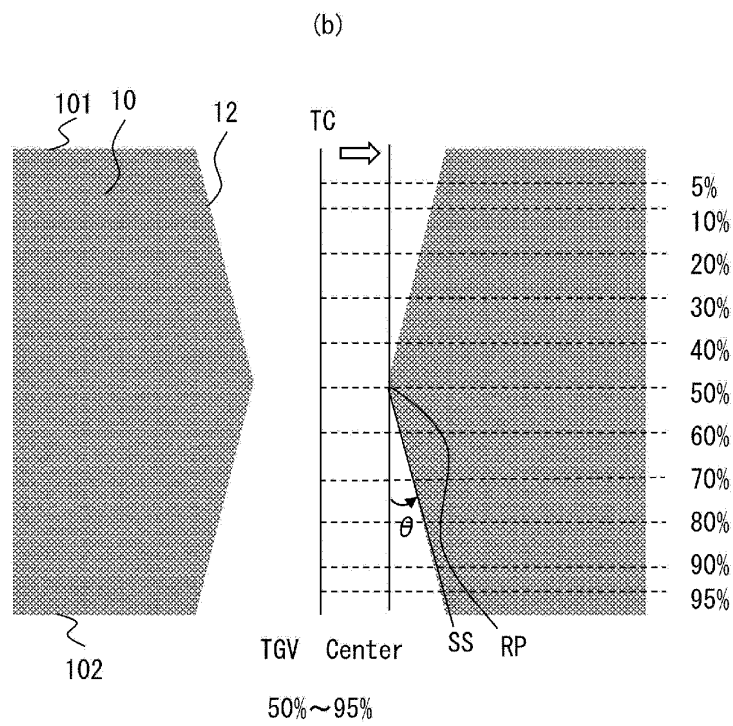
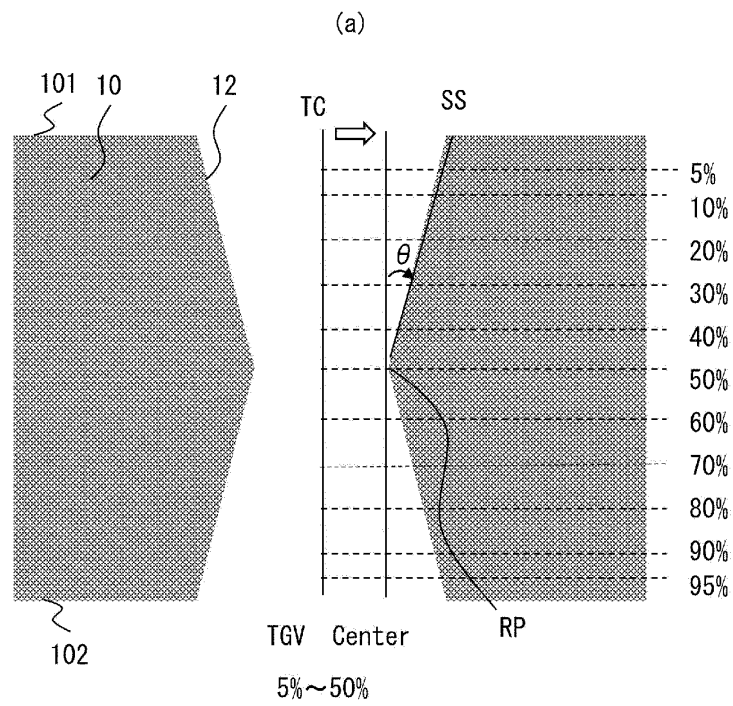
[図1]

図 1



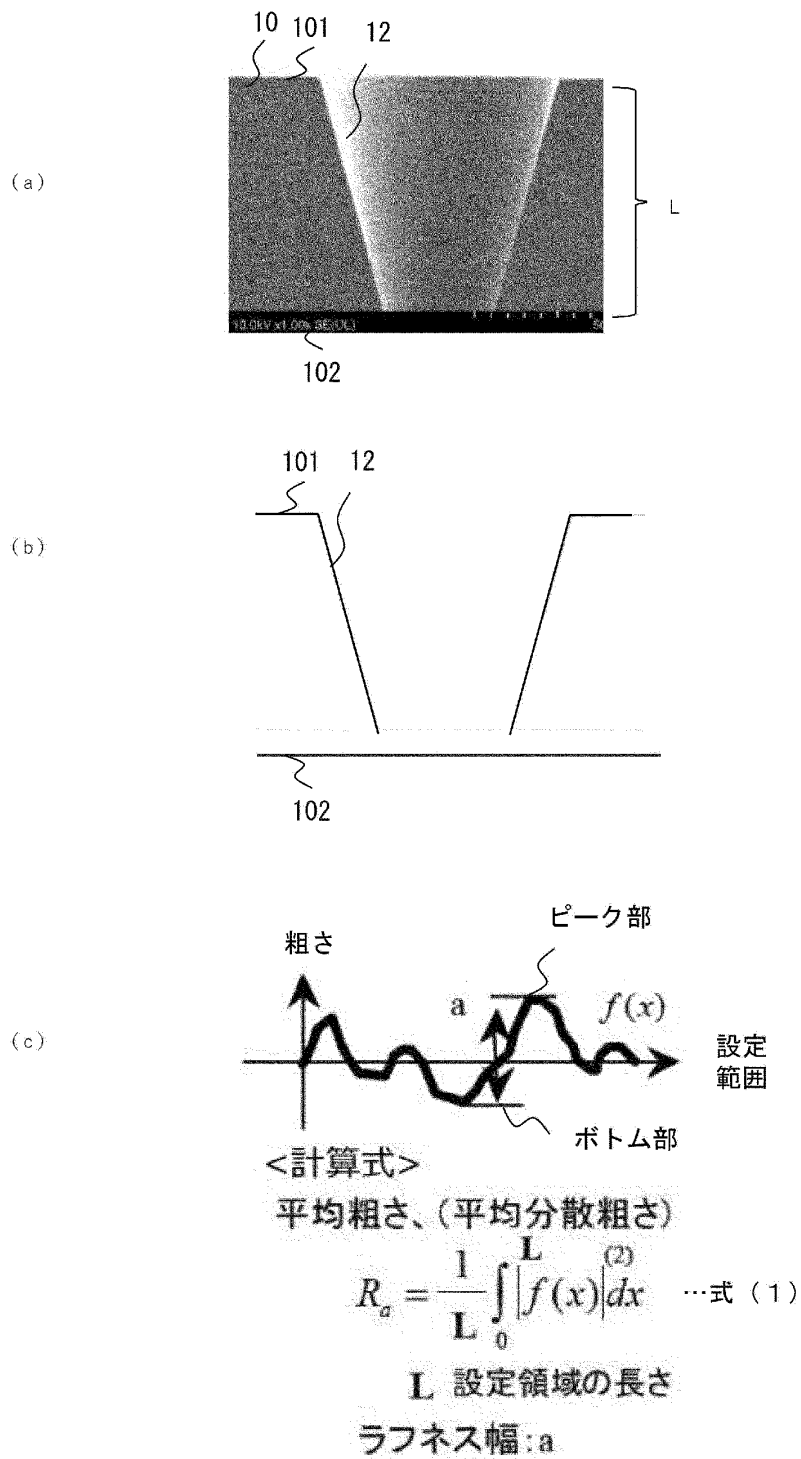
[図2]

図 2



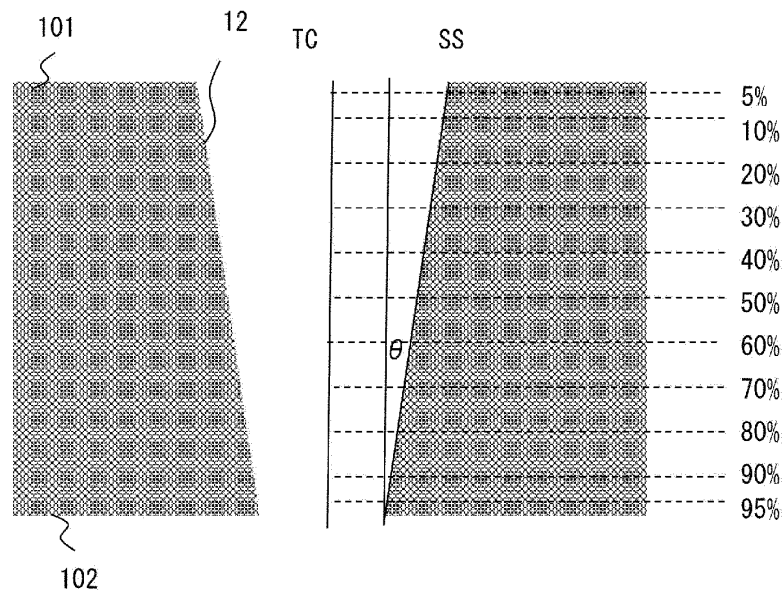
[図3]

図 3



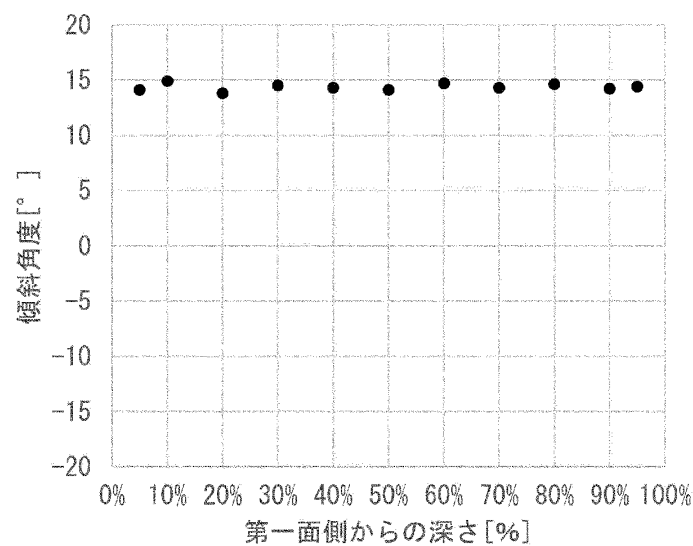
[図4]

図 4



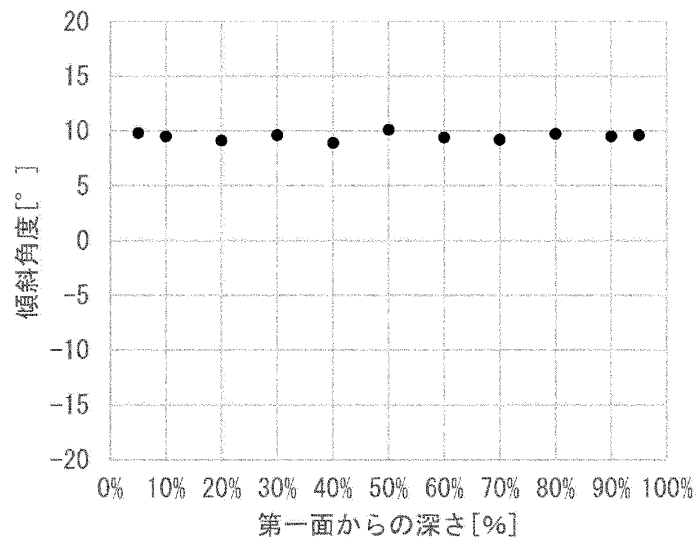
[図5]

図 5



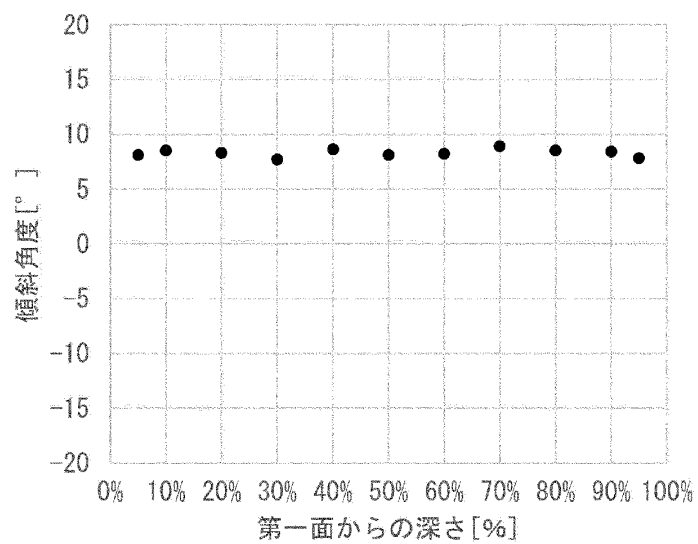
[図6]

図 6



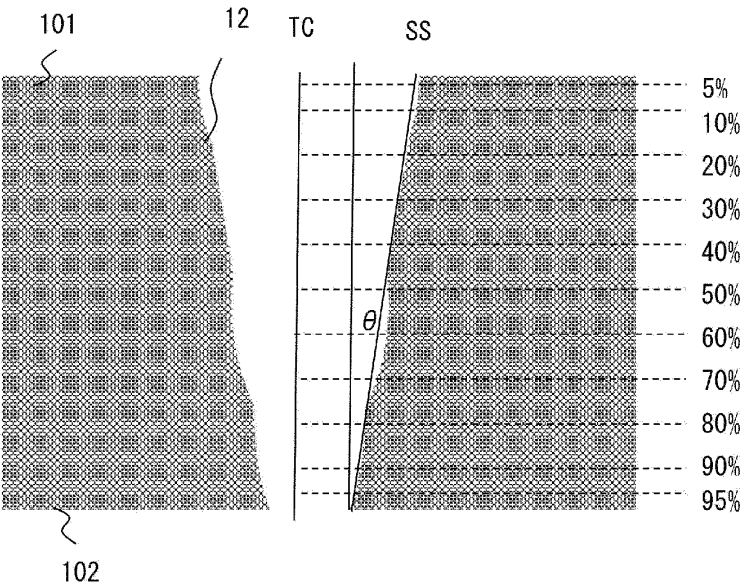
[図7]

図 7



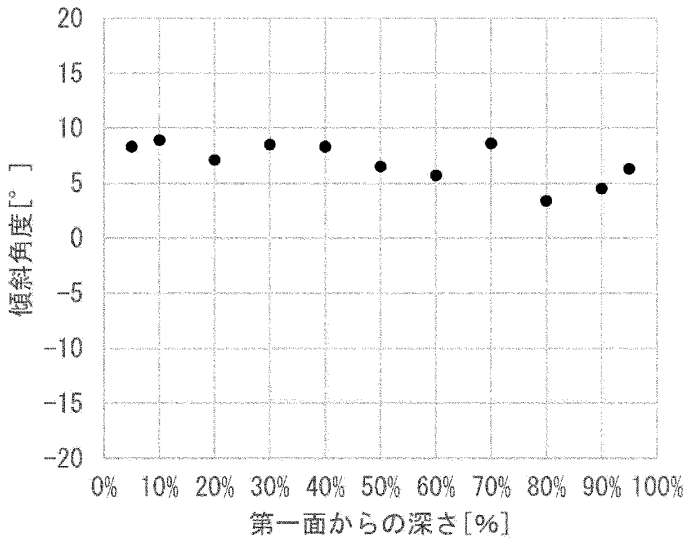
[図8]

図 8



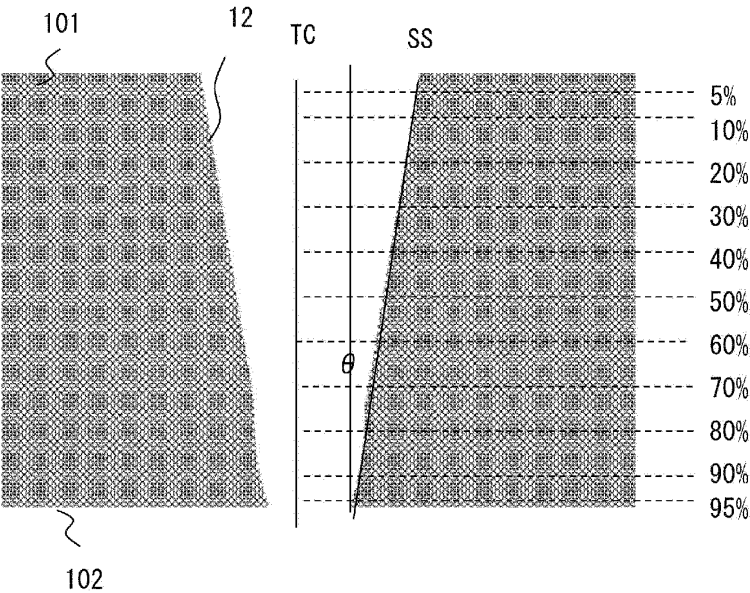
[図9]

図 9



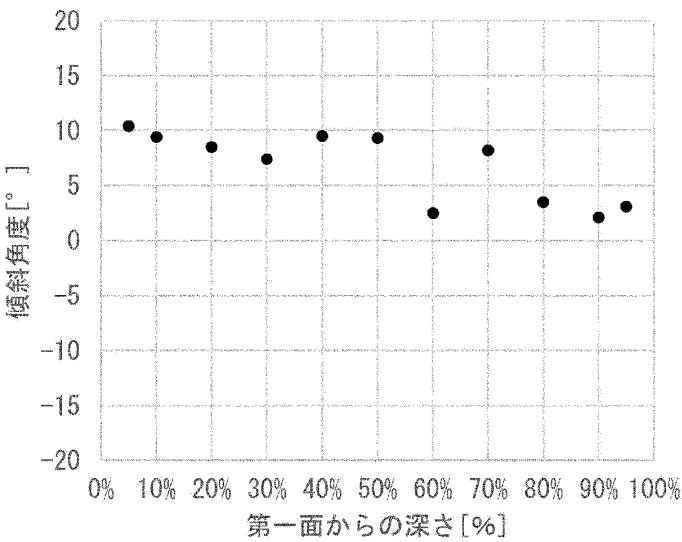
[図10]

図 1 0



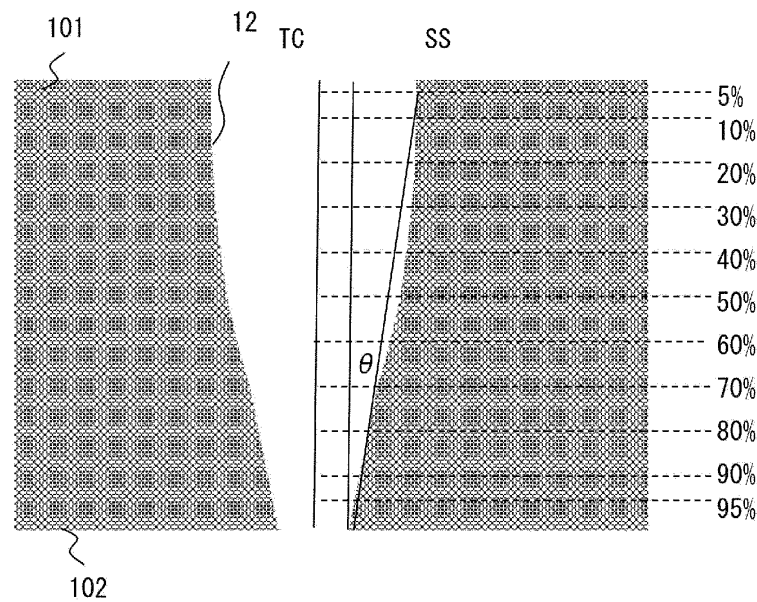
[図11]

図 1 1



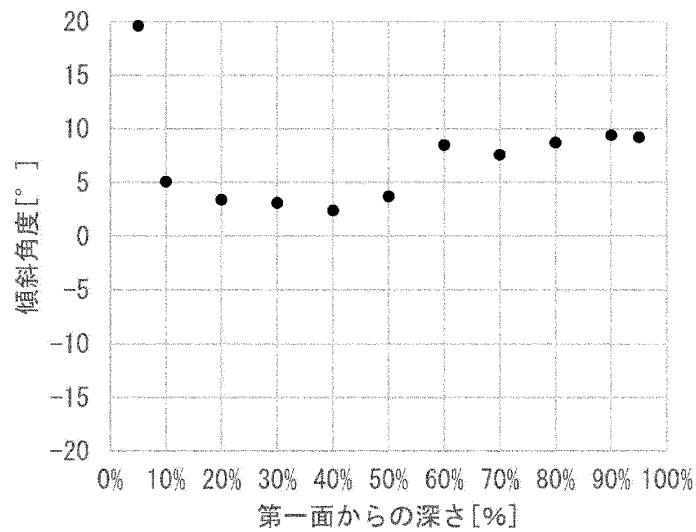
[図12]

図 1 2



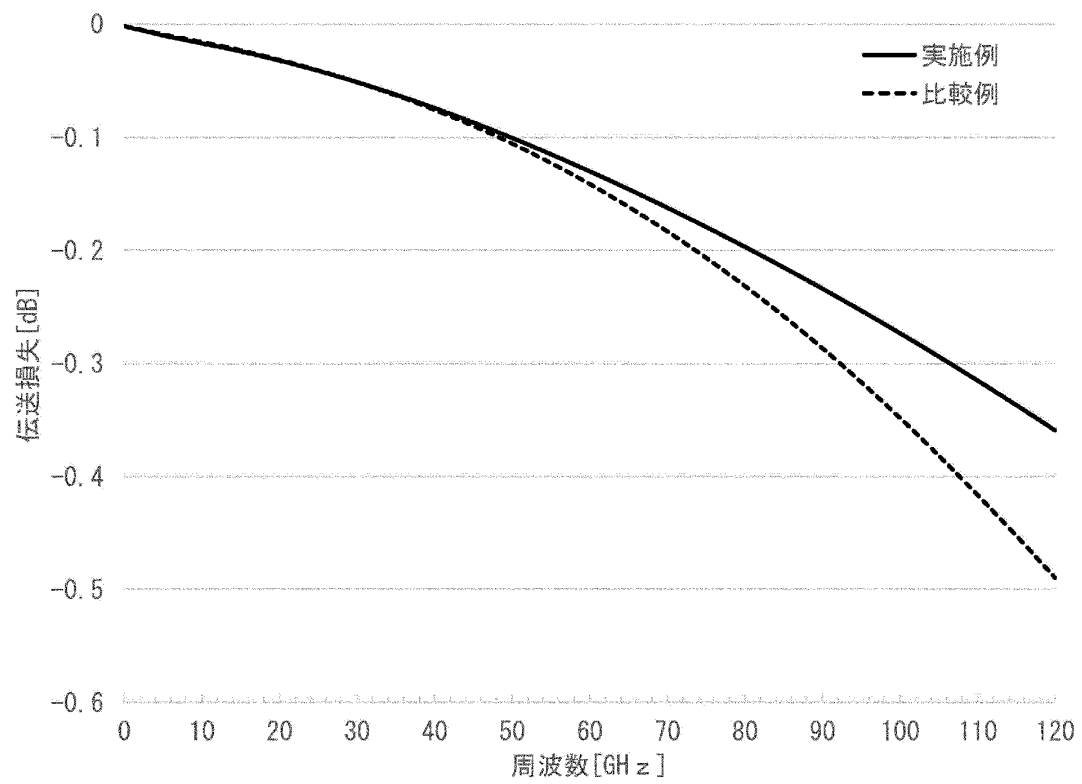
[図13]

図 1 3



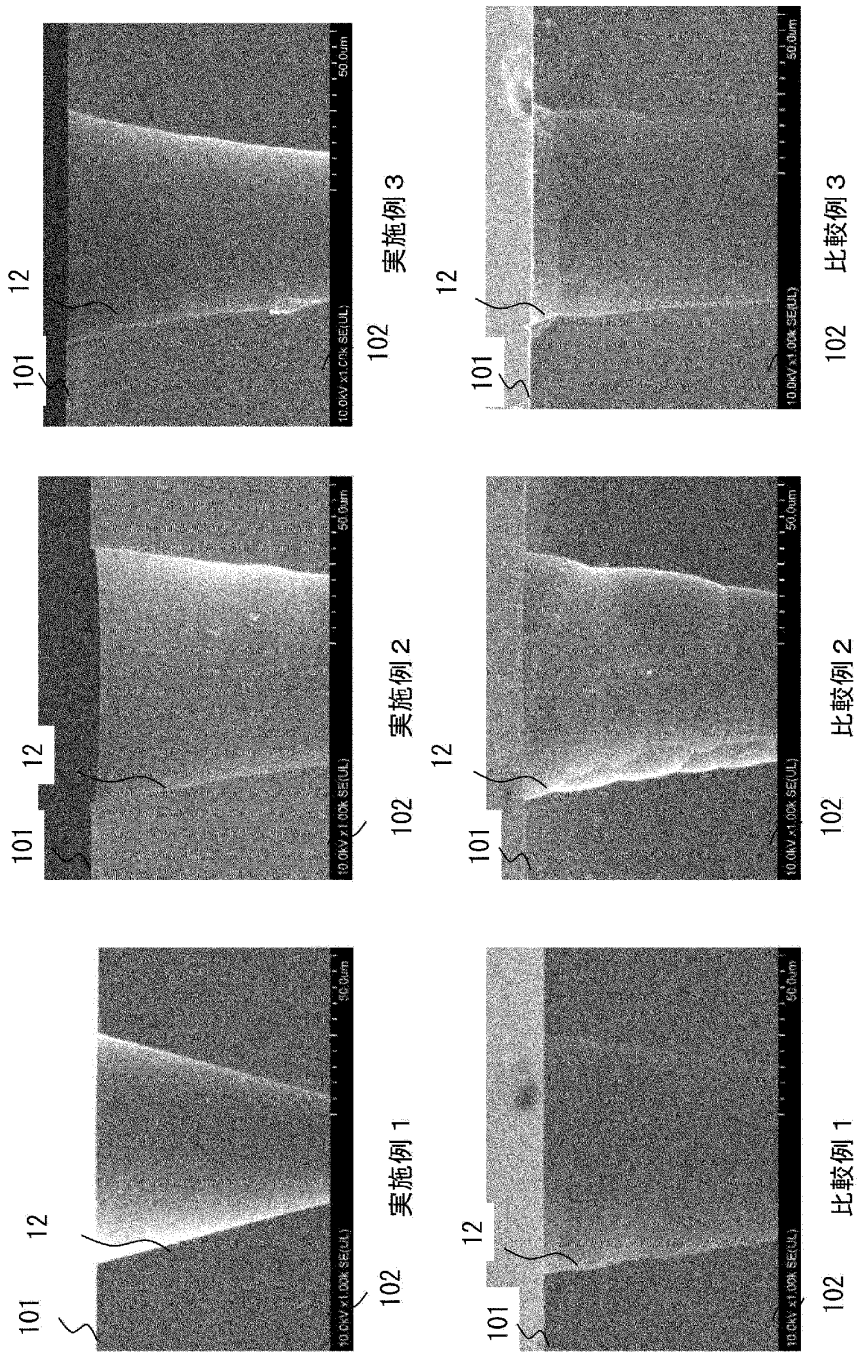
[図14]

図 14



[図15A]

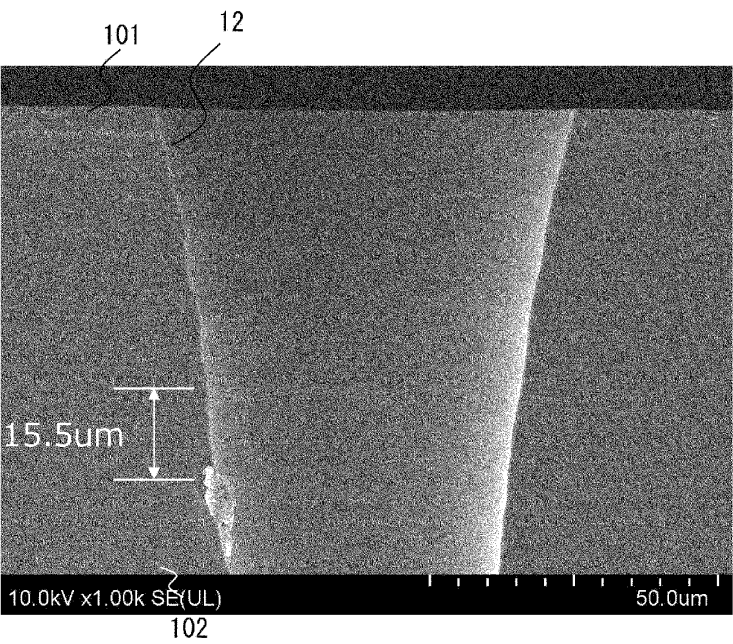
図 15 A



[図15B]

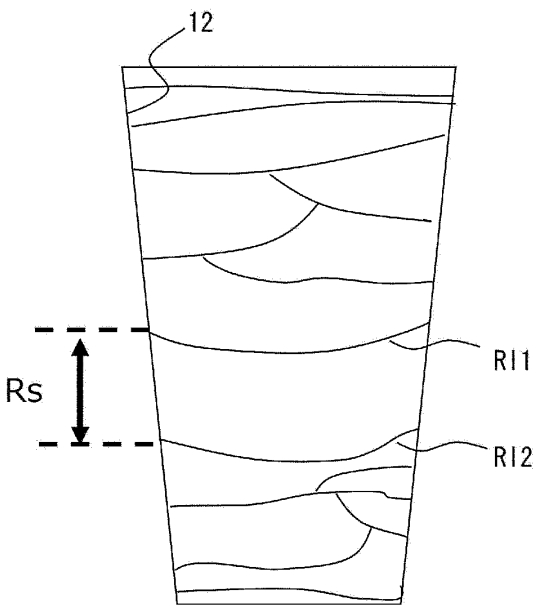
図 1 5 B

(a)



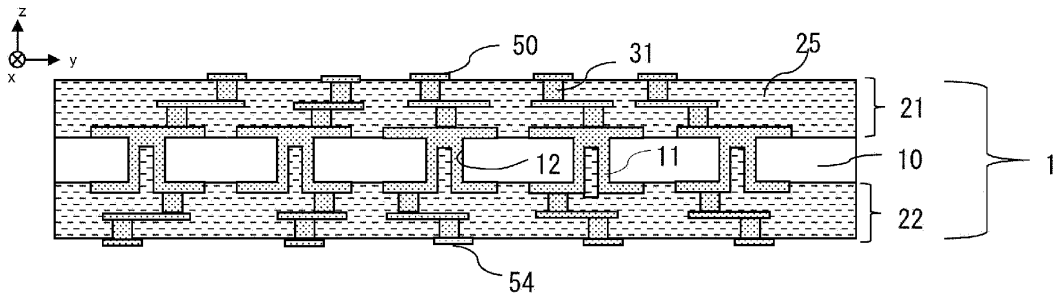
実施例 3

(b)



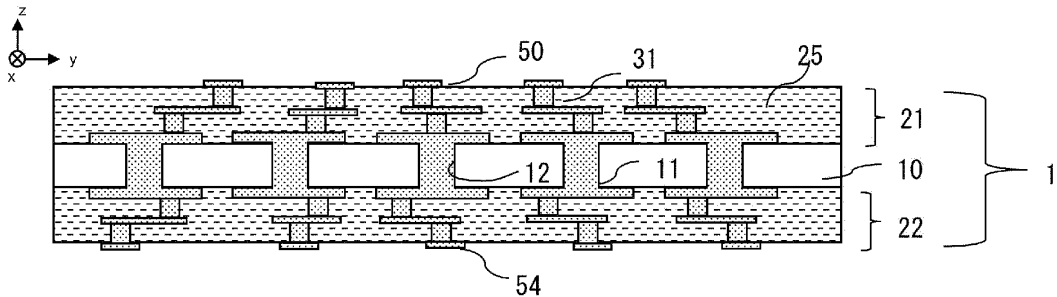
[図16]

図 1 6



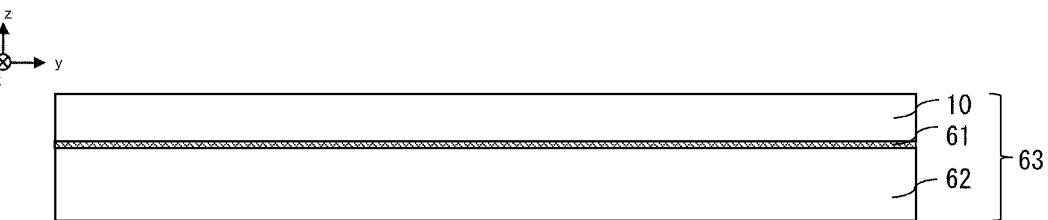
[図17]

図 1 7



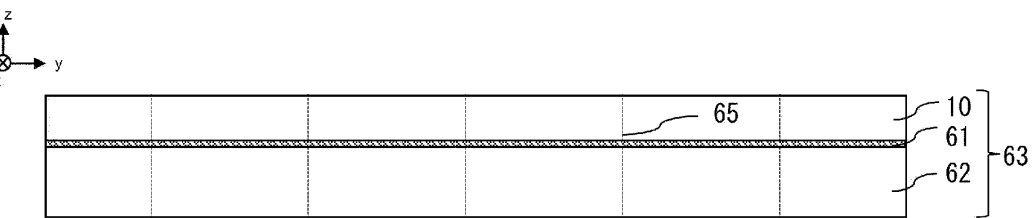
[図18]

図 1 8



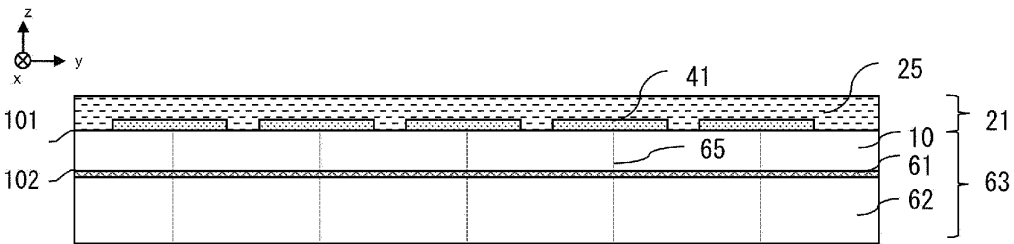
[図19]

図 1 9



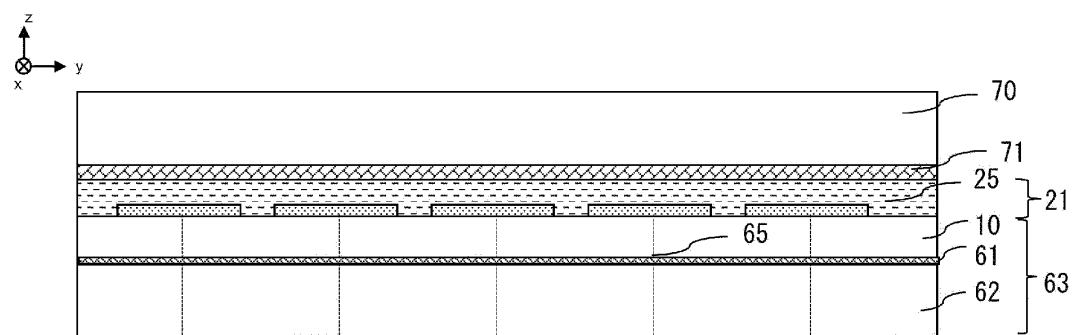
[図20]

図 2 0



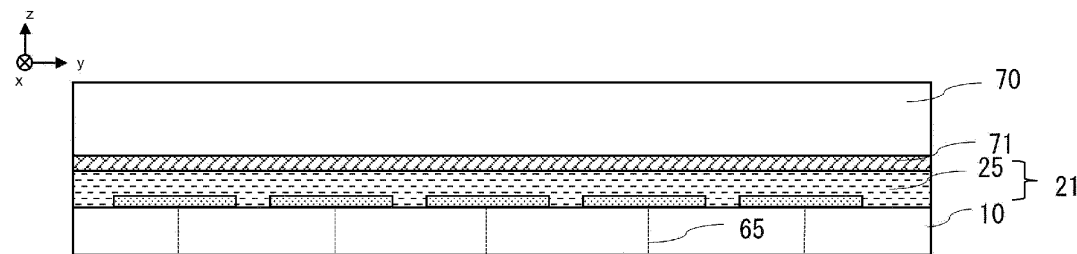
[図21]

図 2 1



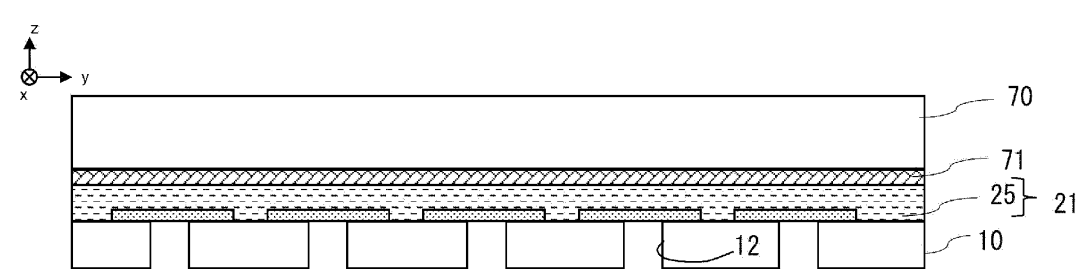
[図22]

図 2 2



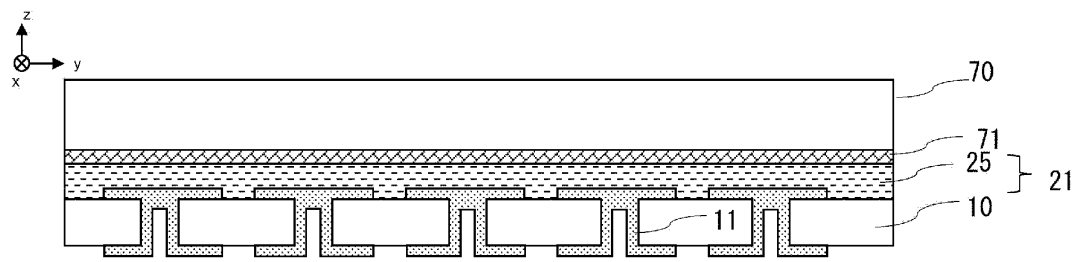
[図23]

図 2 3



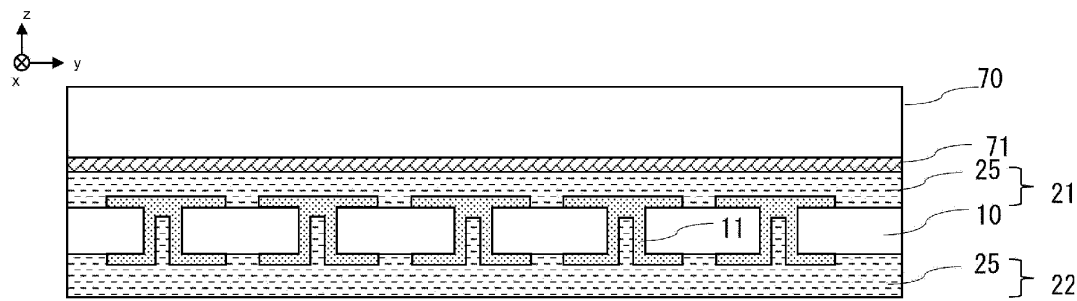
[図24]

図 2 4



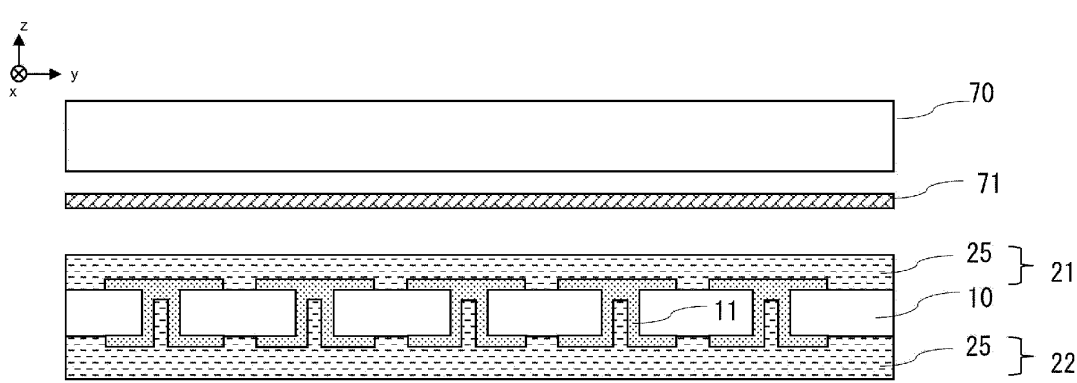
[図25]

図 2 5



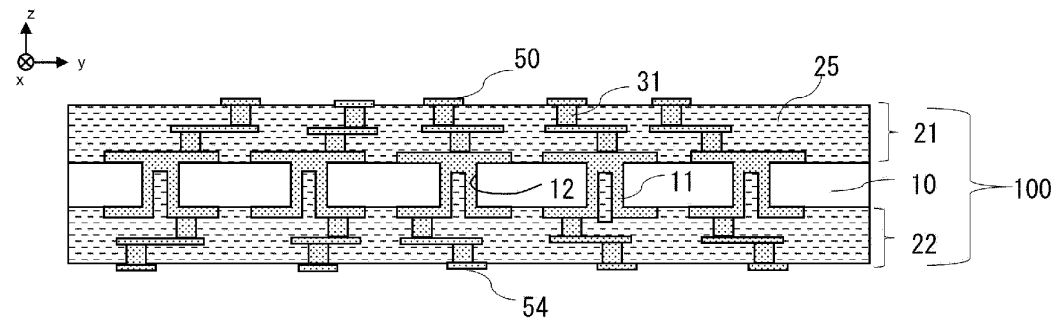
[図26]

図 2 6



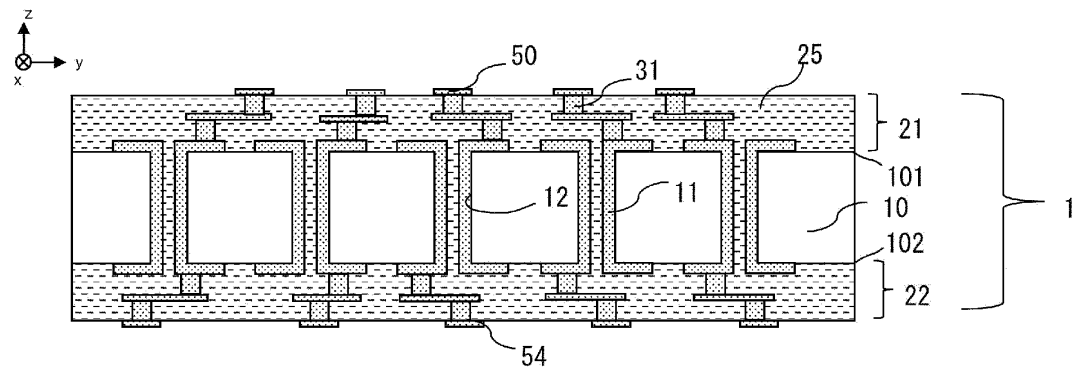
[図27]

図 2 7



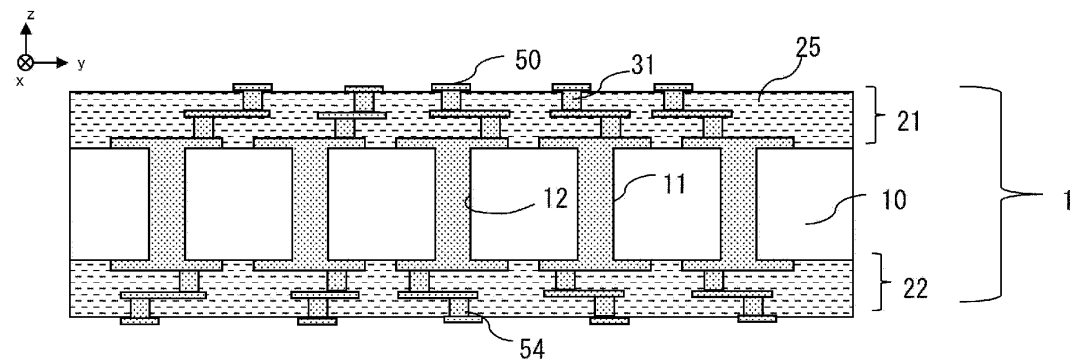
[図28]

図 2 8



[図29]

図 2 9



[図30]

図 3 0



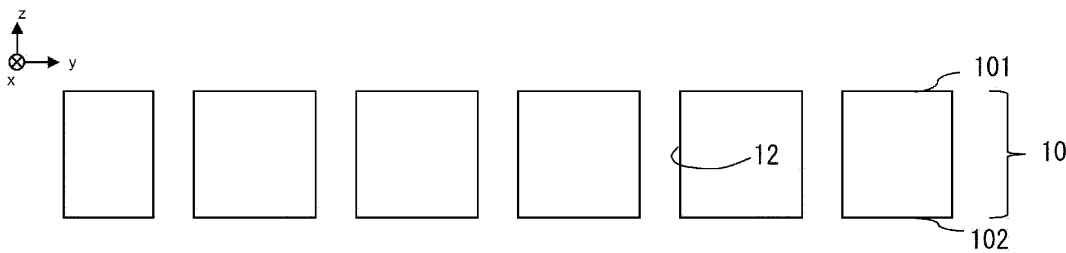
[図31]

図 3 1



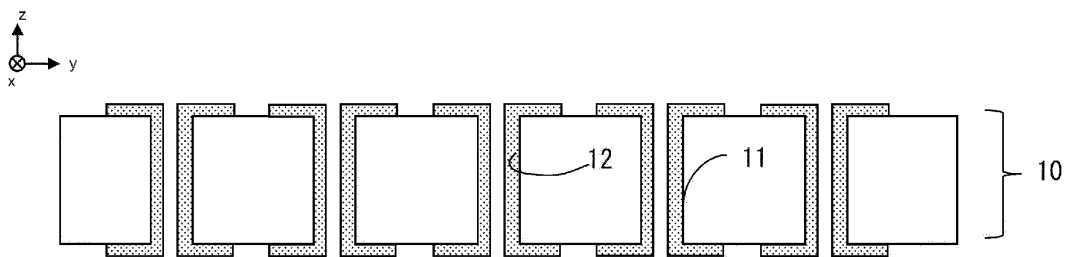
[図32]

図 3 2



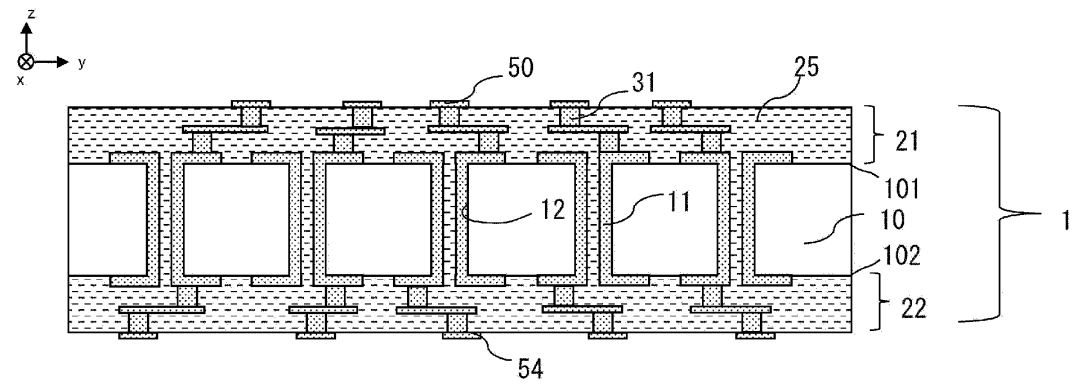
[図33]

図 3 3



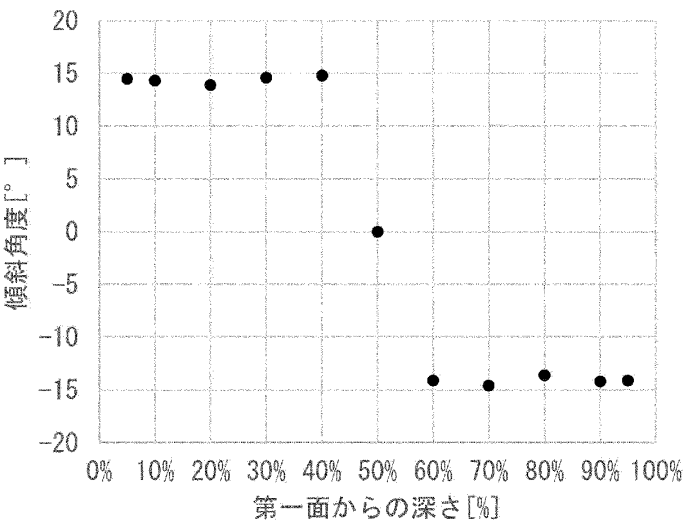
[図34]

図 3 4



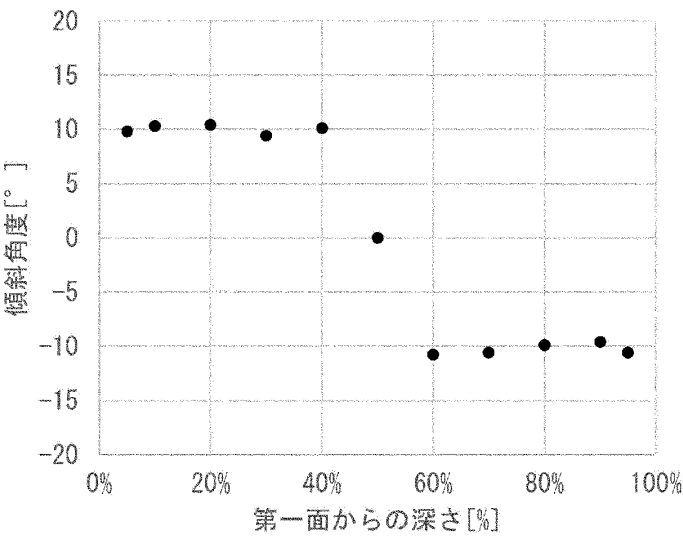
[図35]

図 3 5



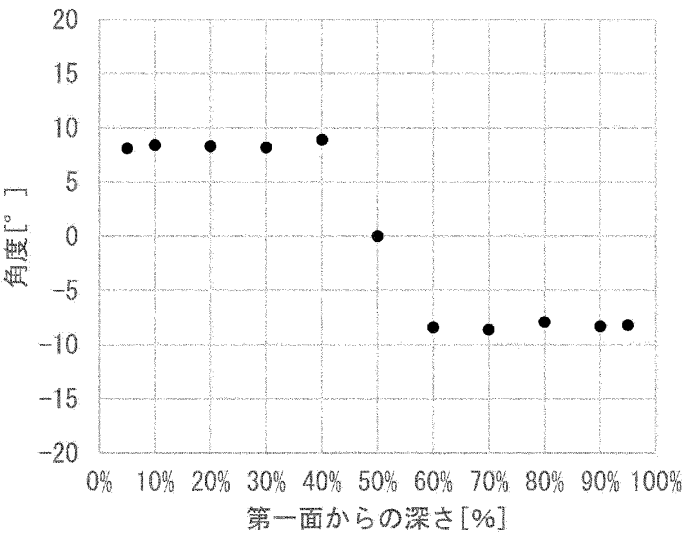
[図36]

図 3 6



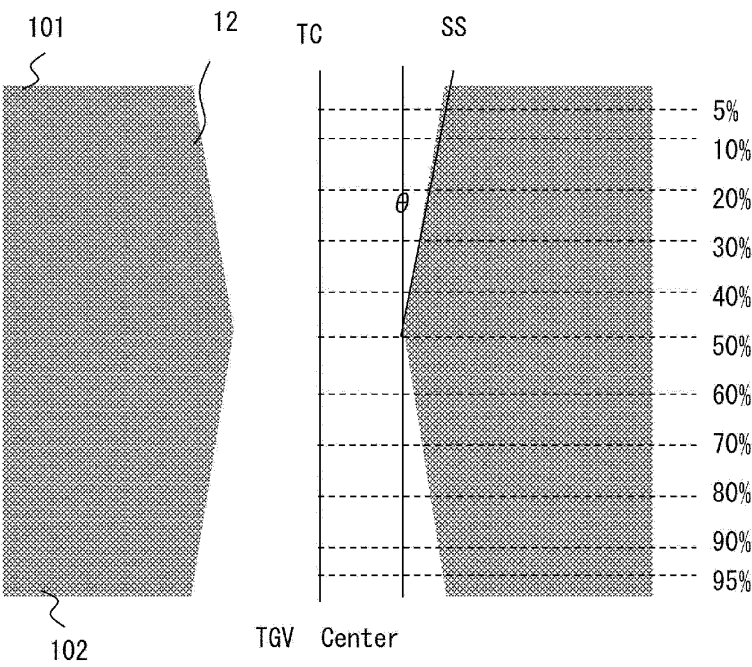
[図37]

図 3 7



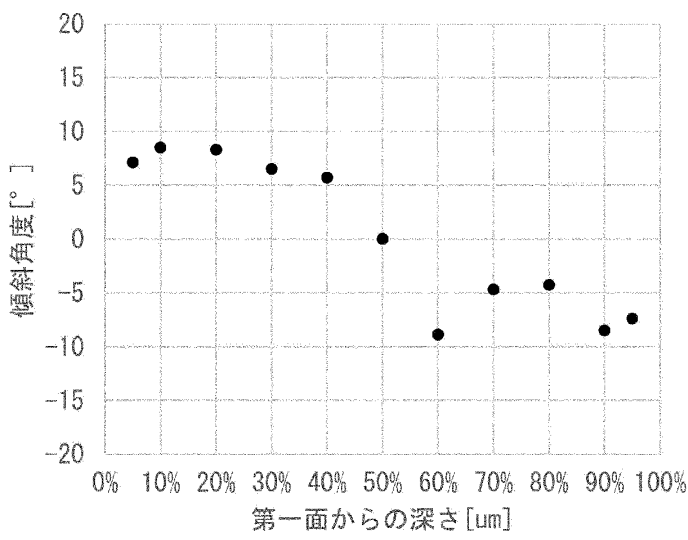
[図38]

図 3 8



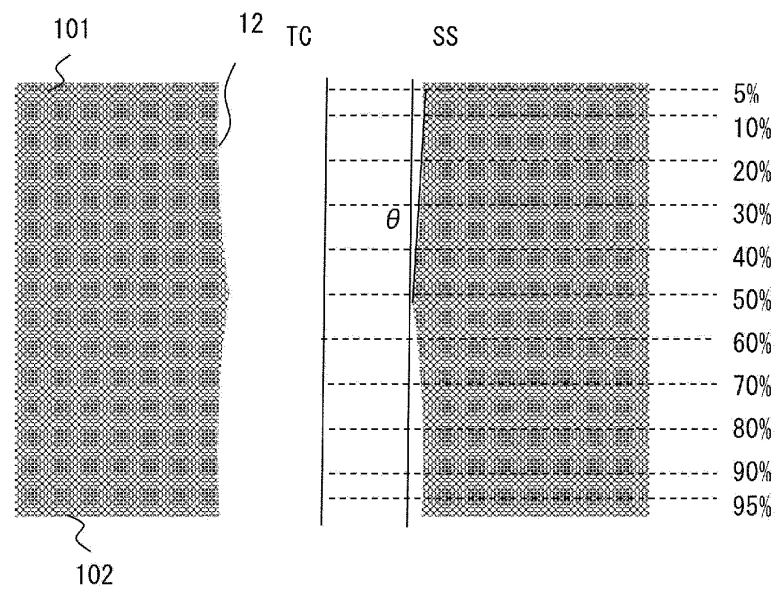
[図39]

図 3 9



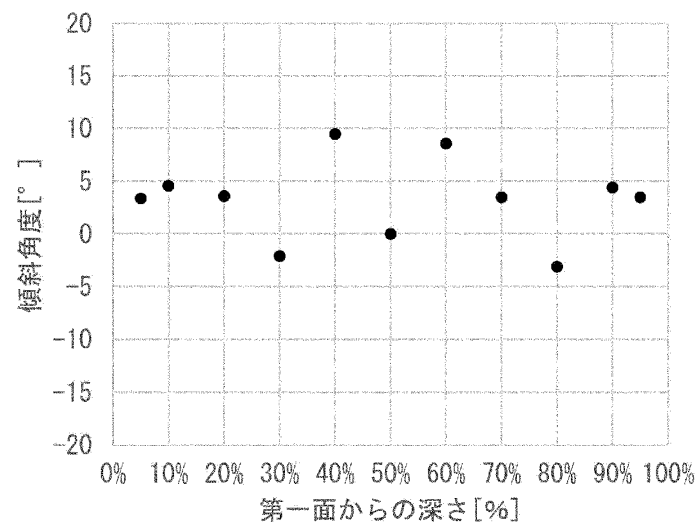
[図40]

図 4 0



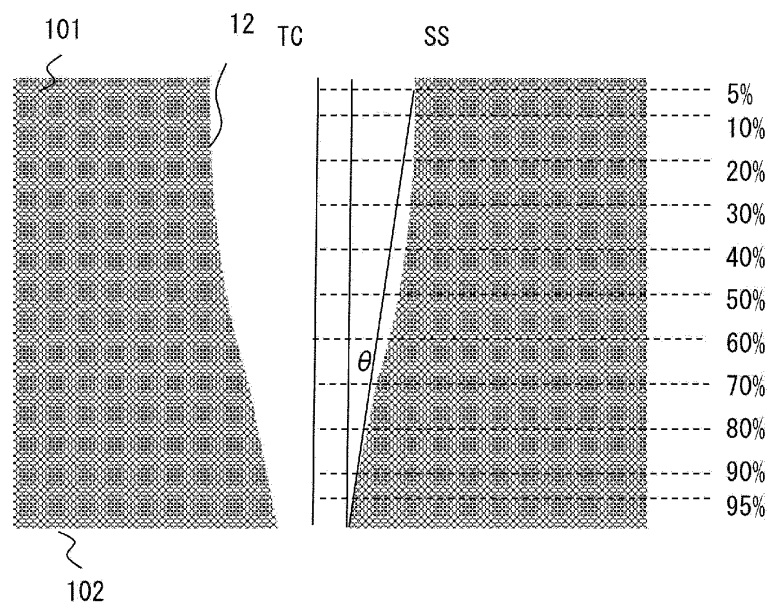
[図41]

図 4 1



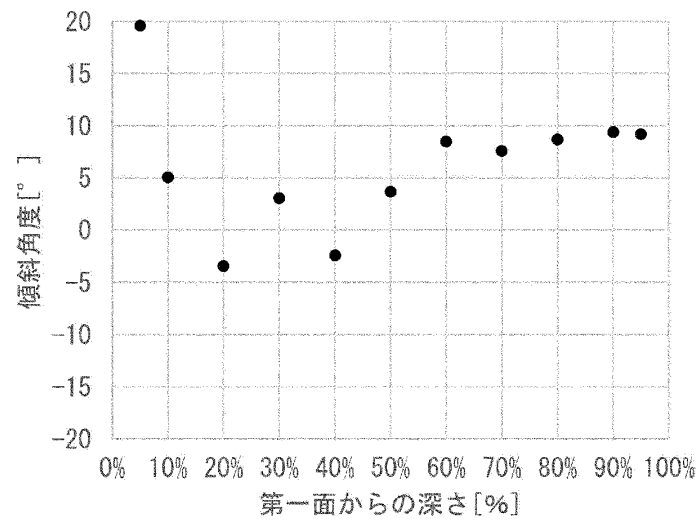
[図42]

図 4 2



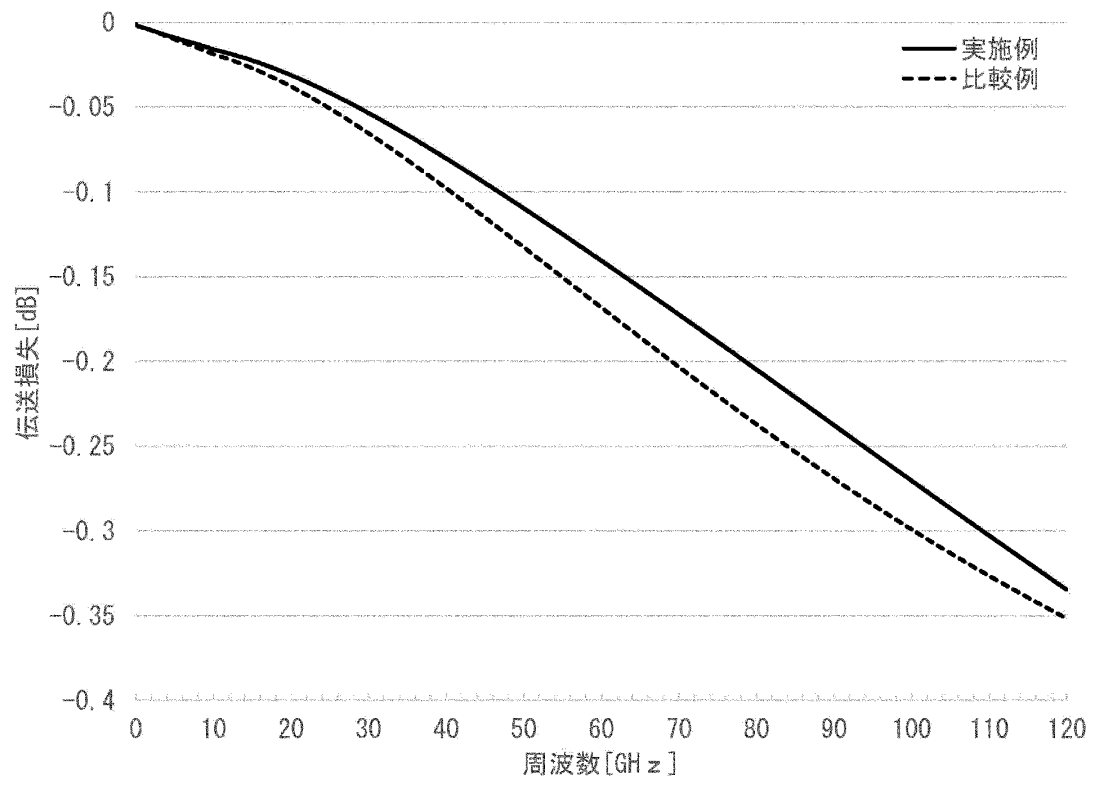
[図43]

図 4 3



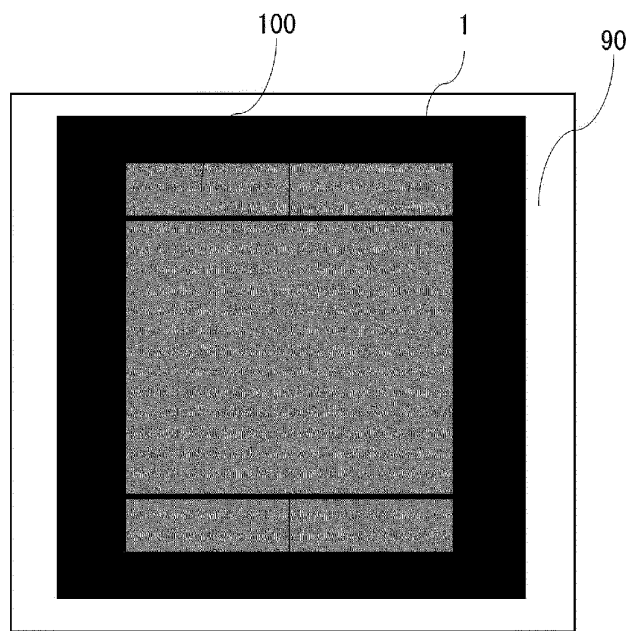
[図44]

図 4 4



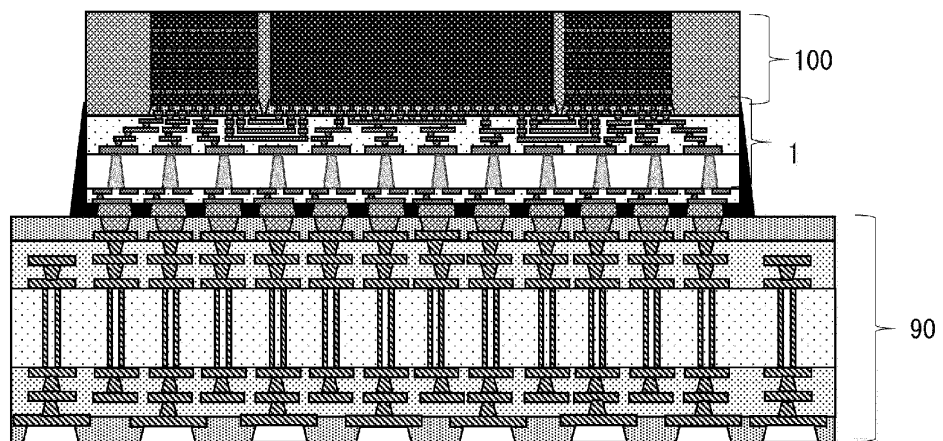
[図45]

図45



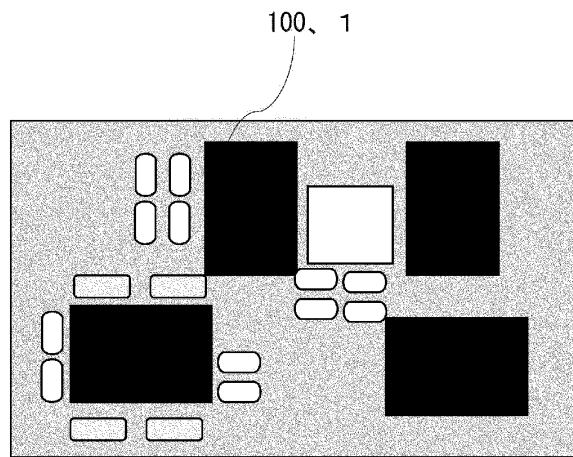
[図46]

図46



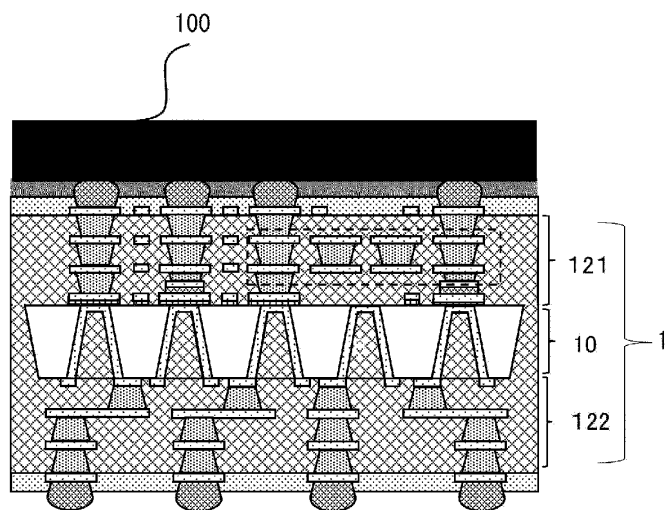
[図47]

図47



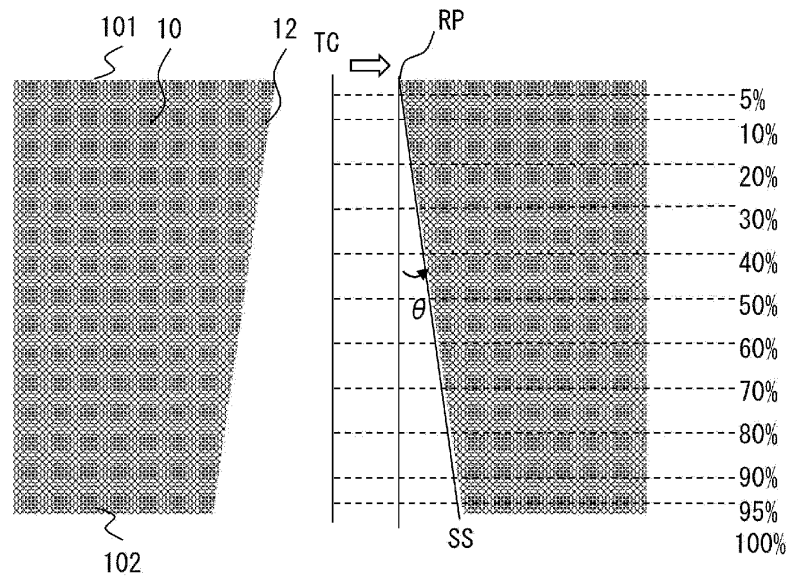
[図48]

図48



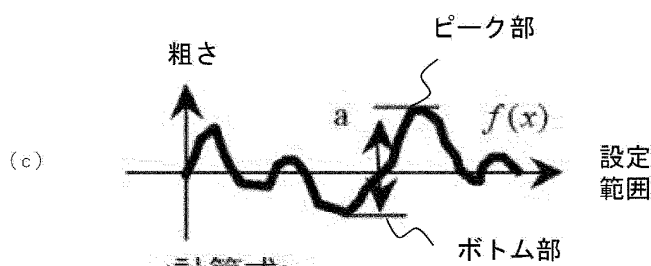
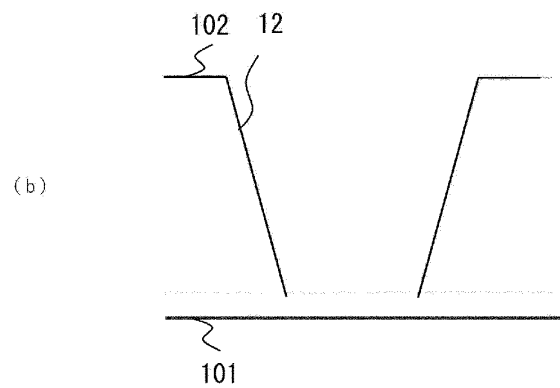
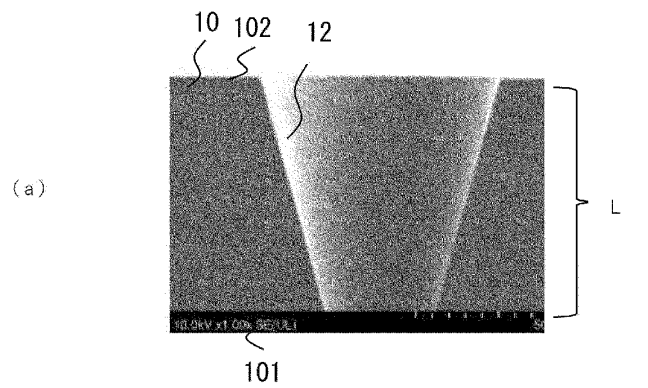
[図49]

図 4 9



[図50]

図 50



<計算式>

平均粗さ、(平均分散粗さ)

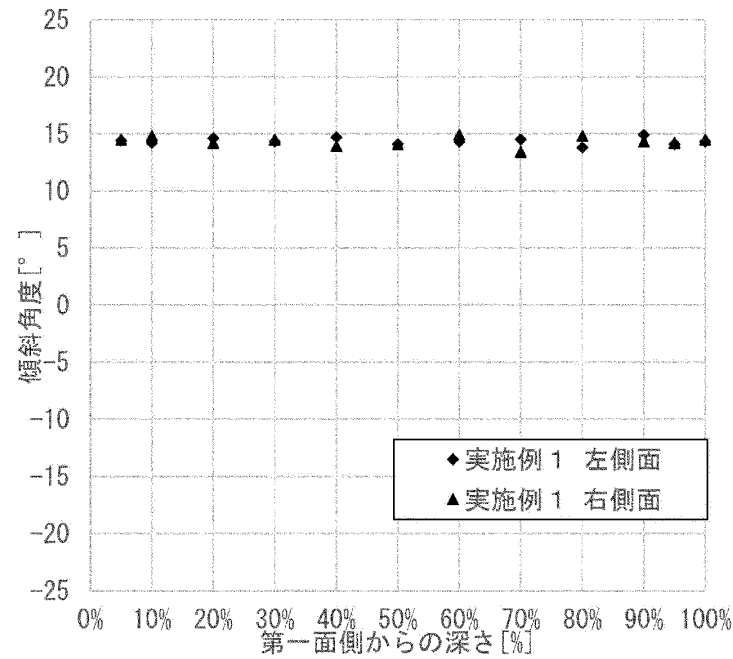
$$R_a = \frac{1}{L} \int_0^L |f(x)| dx \quad \dots \text{式 (1)}$$

L 設定領域の長さ

ラフネス幅:a

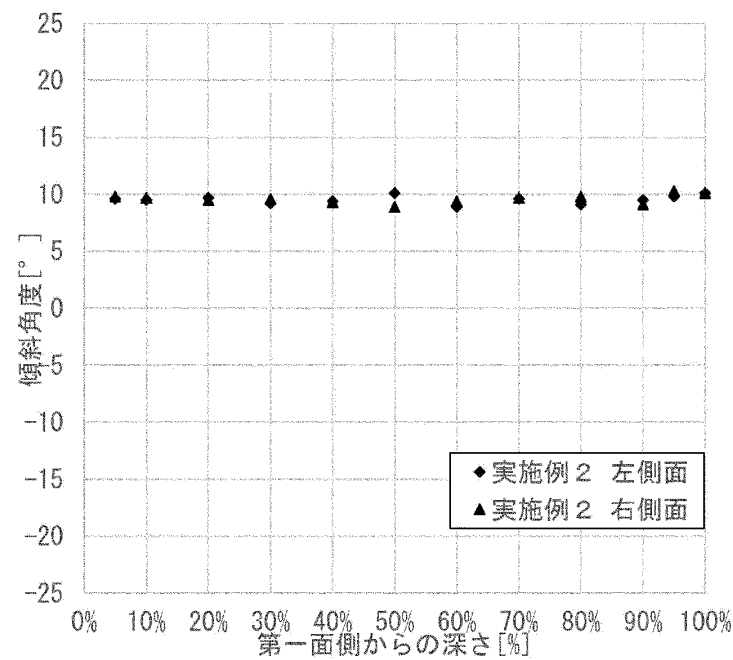
[図51]

図 5 1



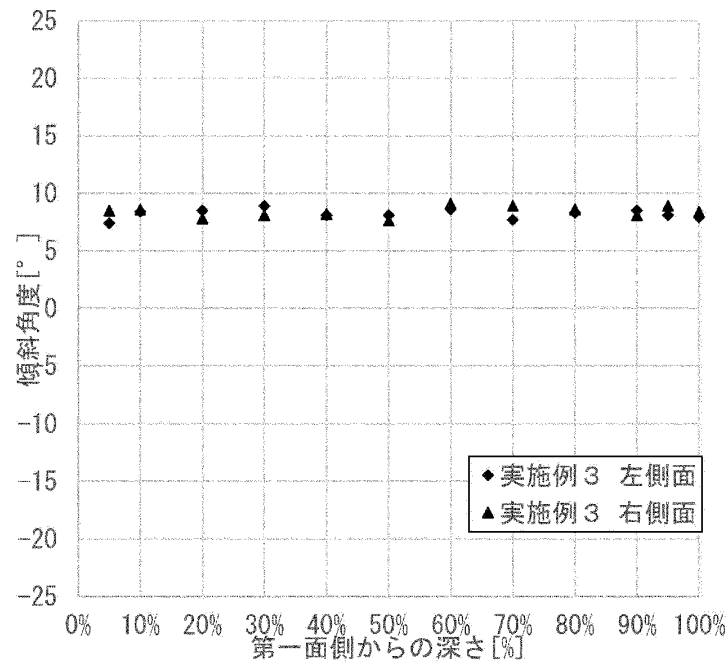
[図52]

図 5 2



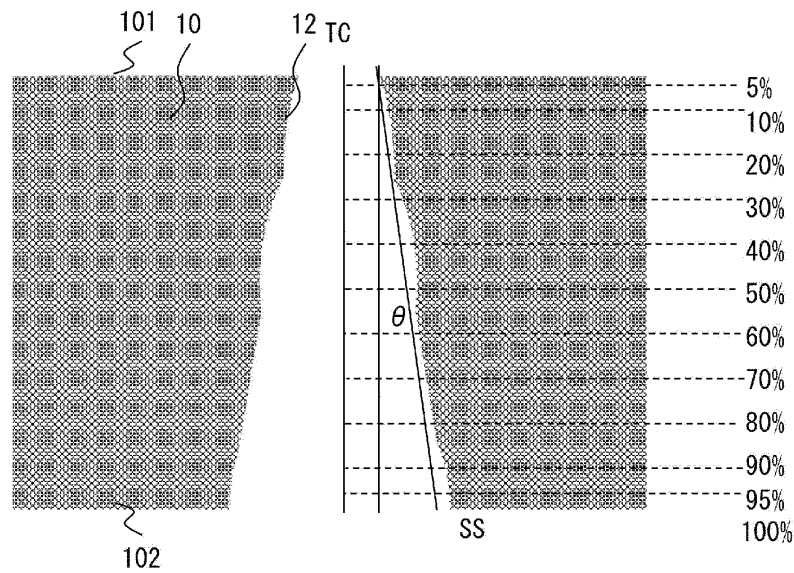
[図53]

図 5 3



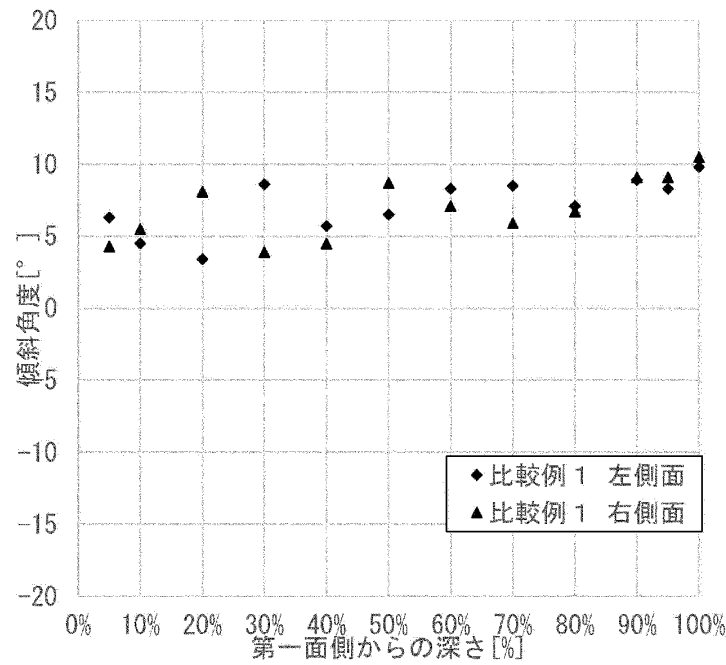
[図54]

図 5 4



[図55]

図 5 5



[図56]

図 5 6

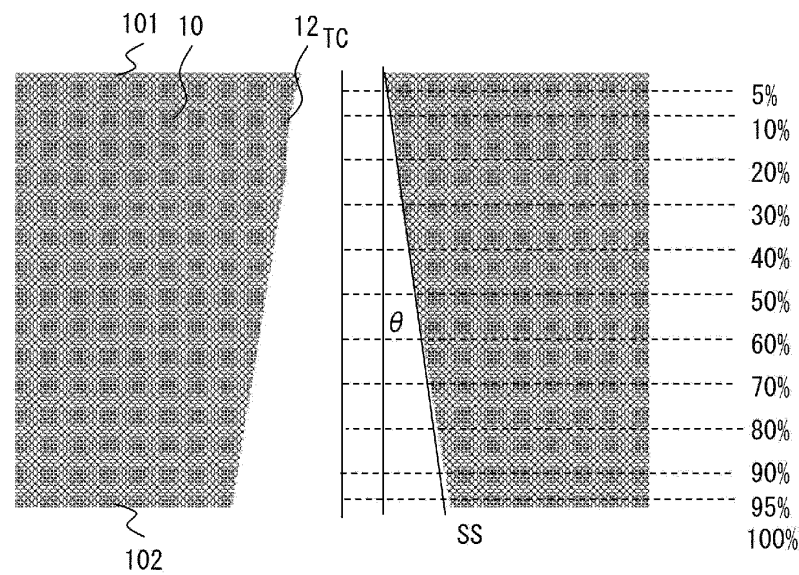
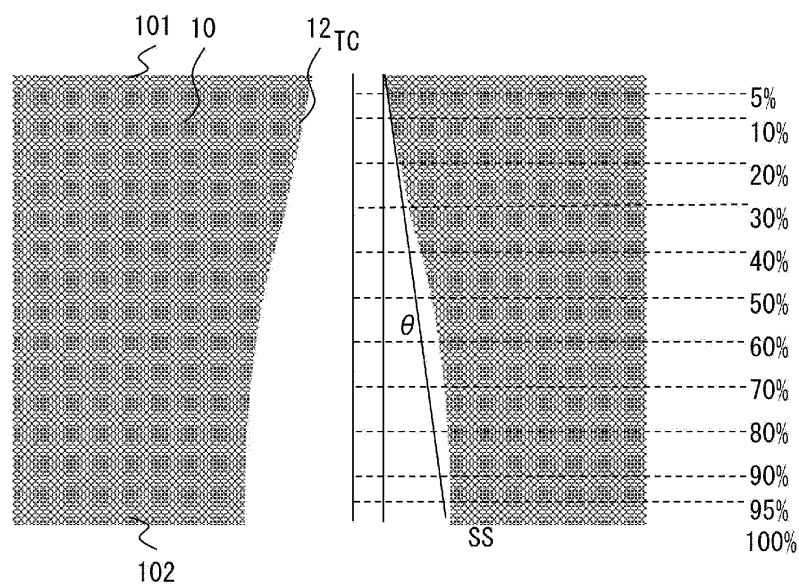
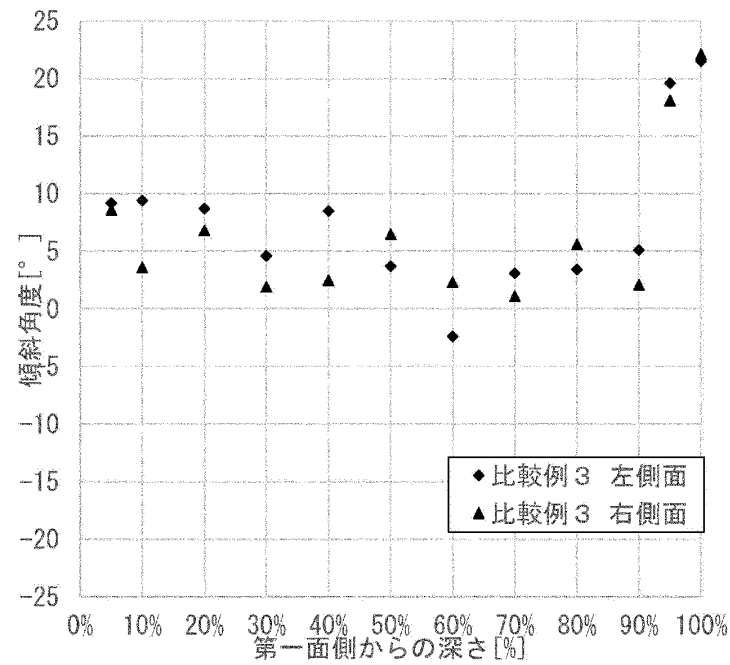


图 5-7



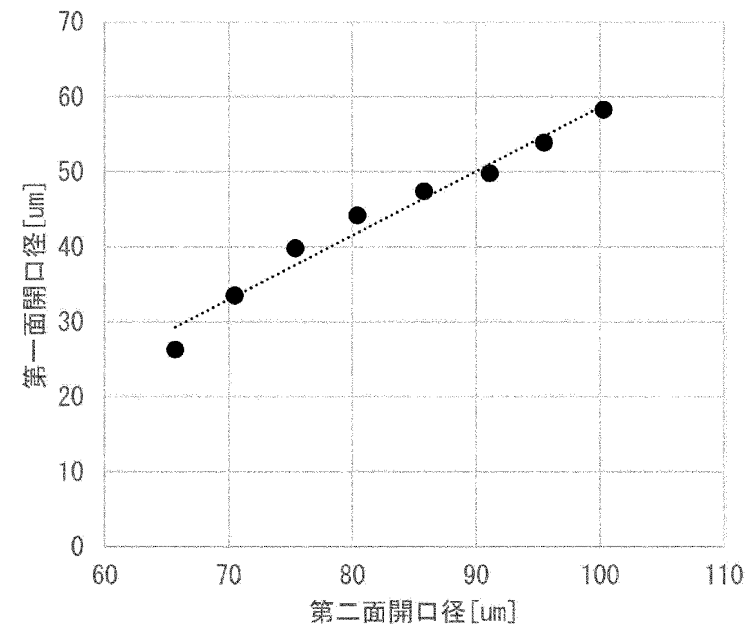
[図59]

図 5 9



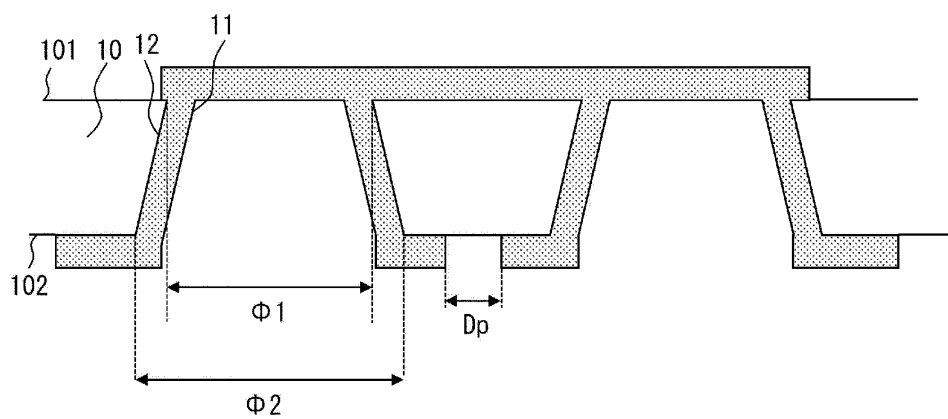
[図60A]

図 6 0 A



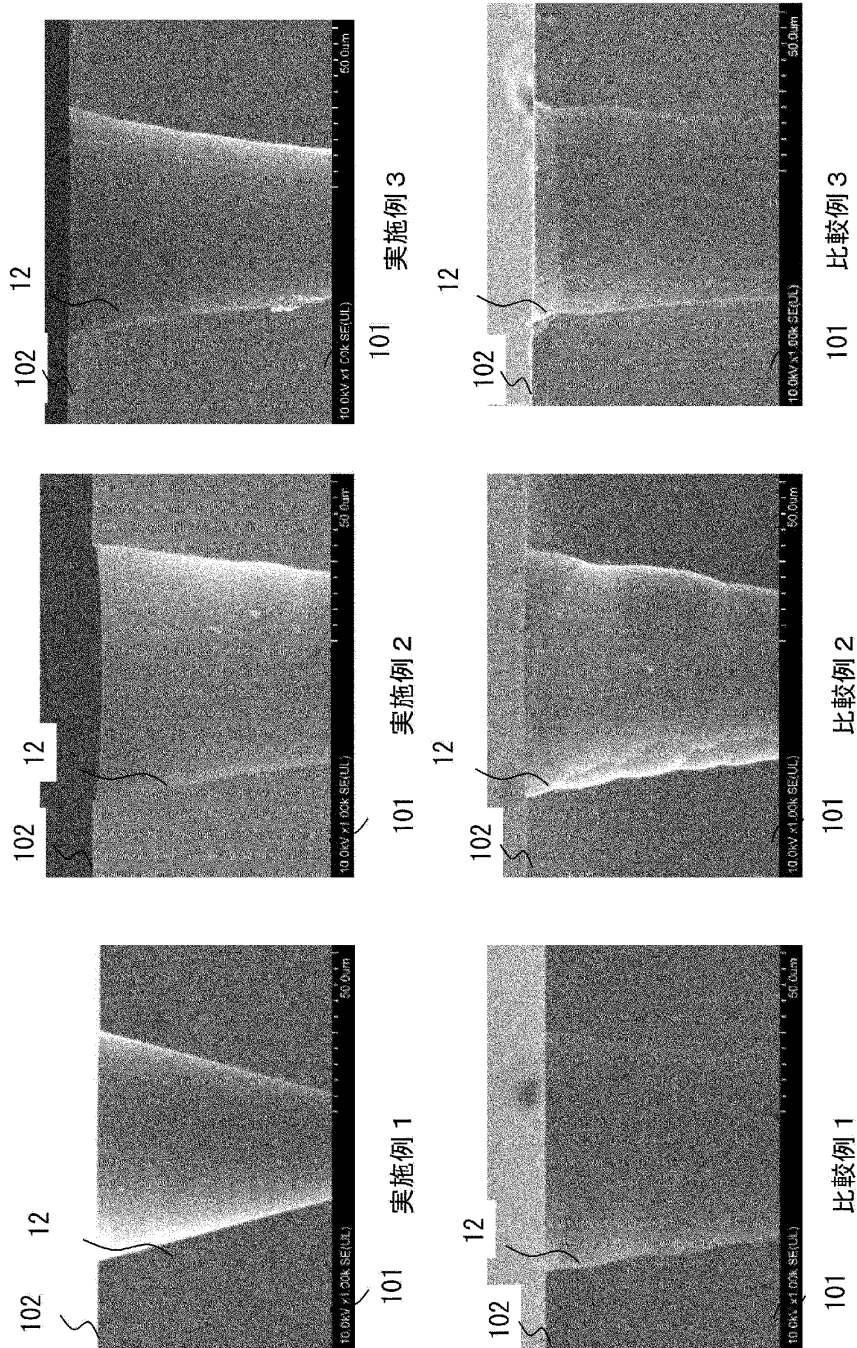
[図60B]

図 60 B



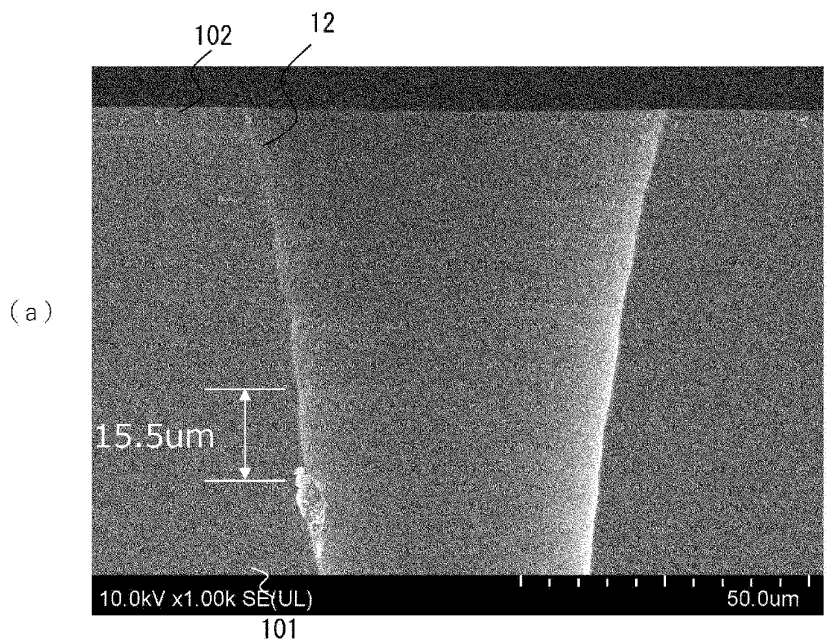
[図61A]

図 61 A

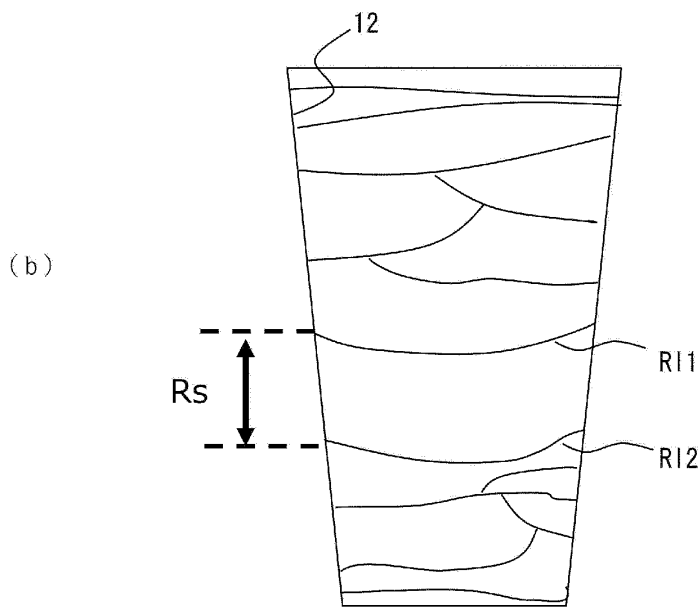


[図61B]

図 6 1 B

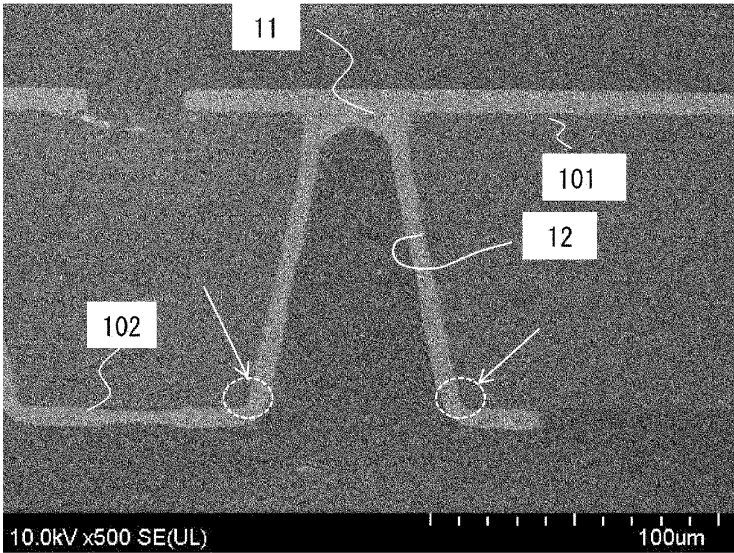


実施例 3



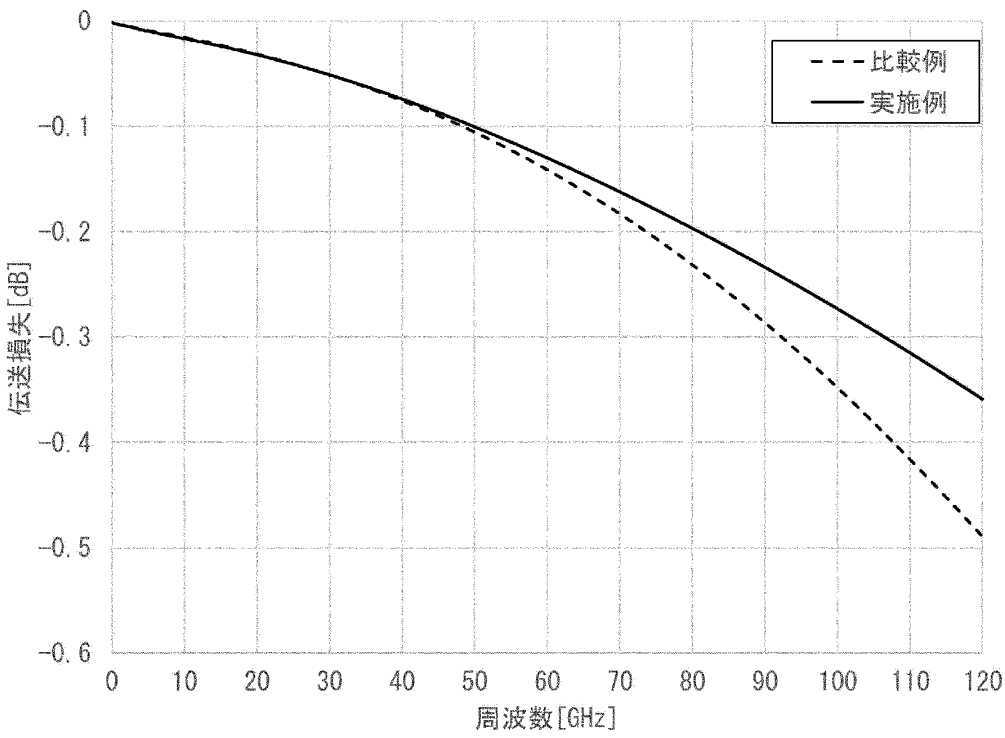
[図61C]

図 6 1 C



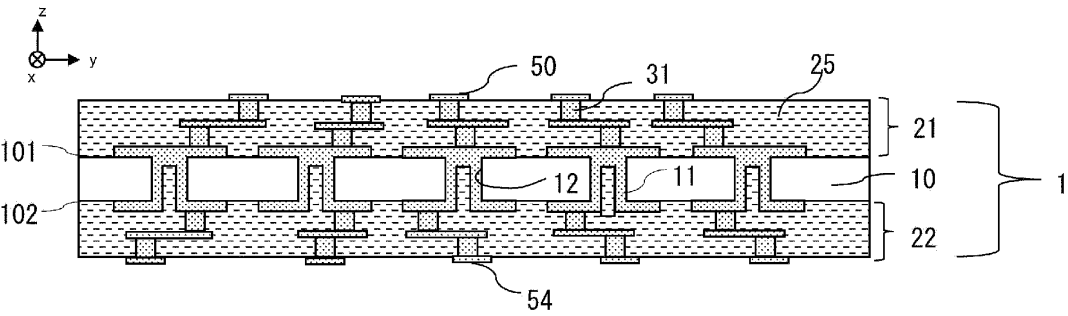
[図62]

図 6 2



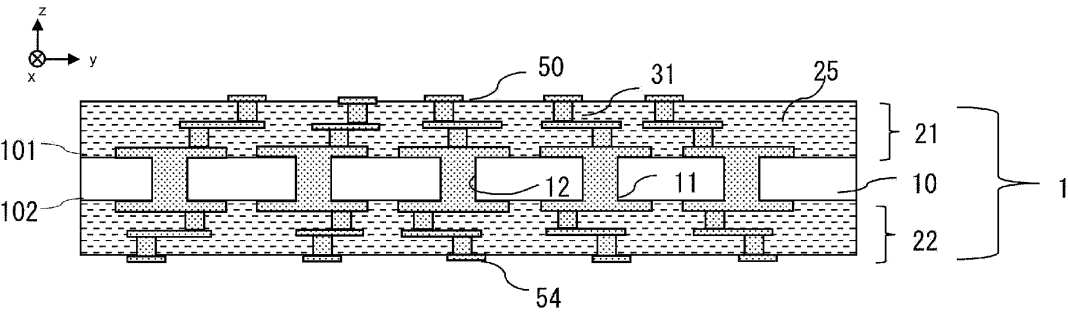
[図63]

図 6 3



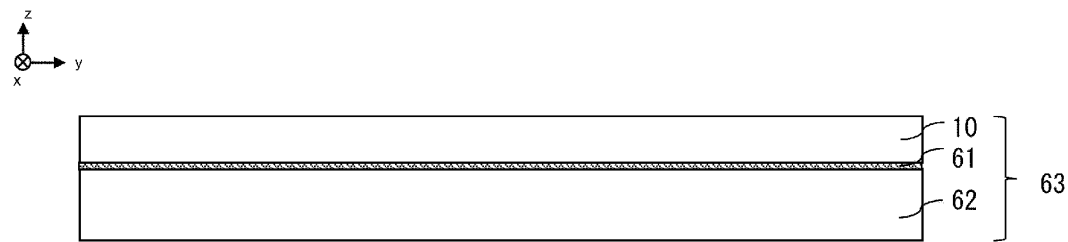
[図64]

図 6 4



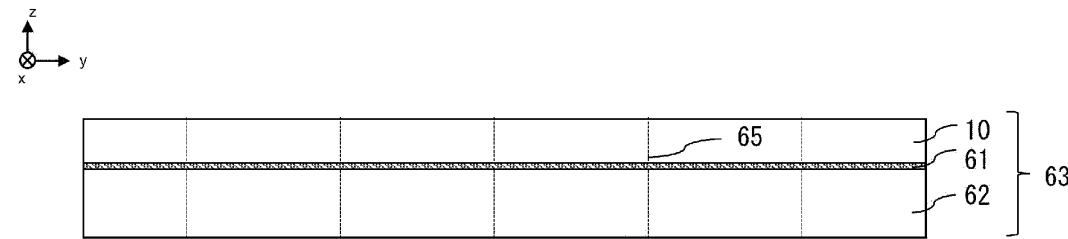
[図65]

図 6 5



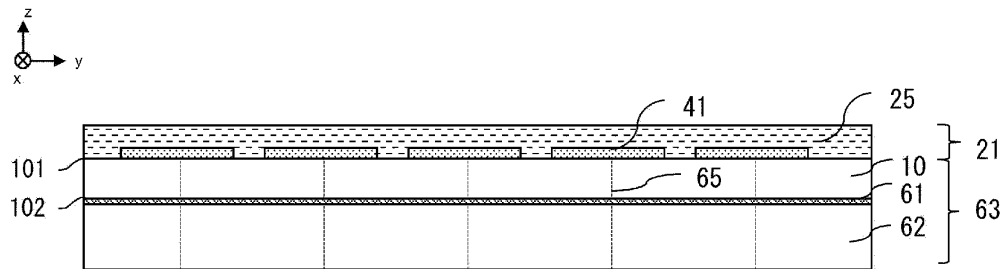
[図66]

図 6 6



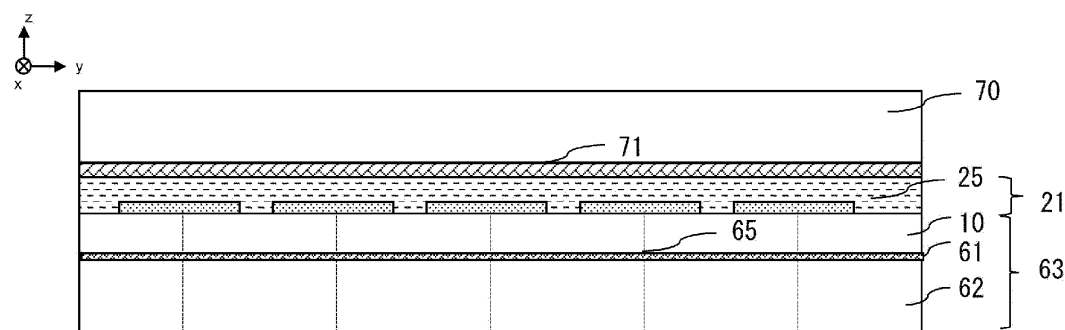
[図67]

図 6 7



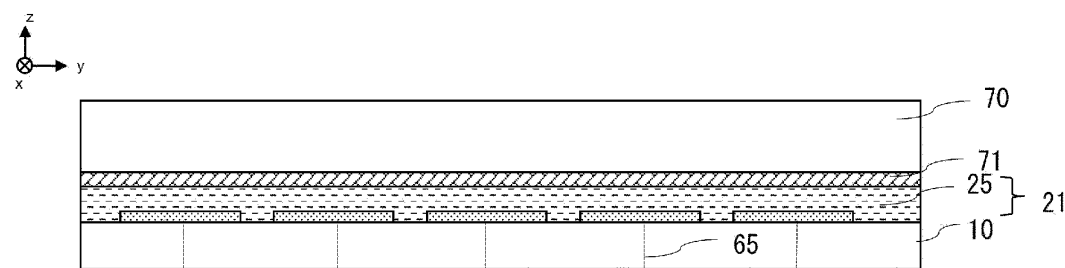
[図68]

図 6 8



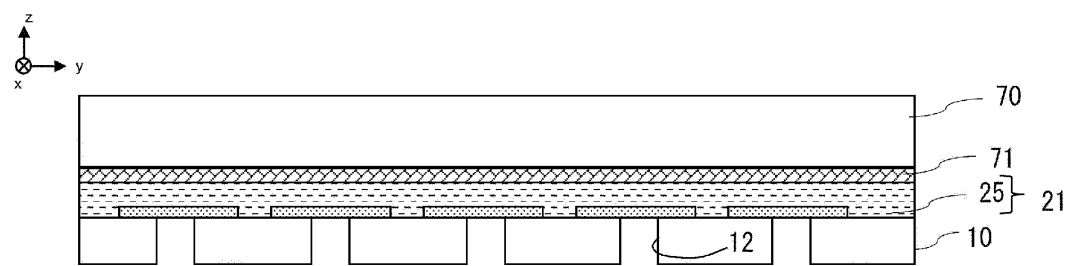
[図69]

図 6 9



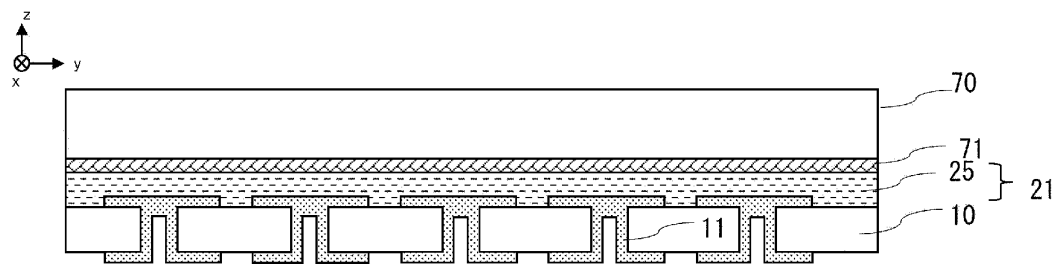
[図70]

図 7 0



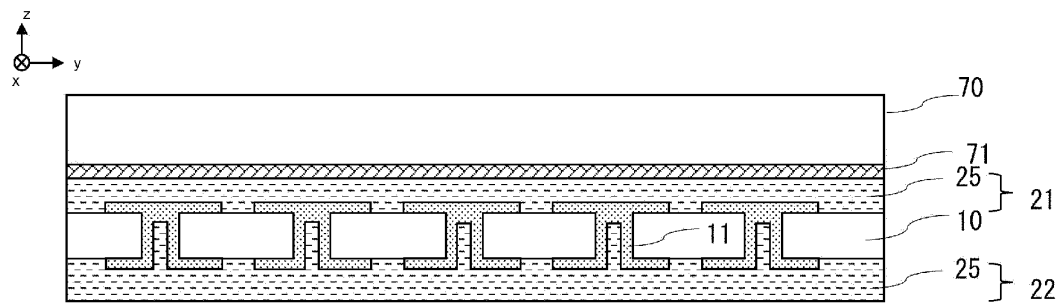
[図71]

図 7 1



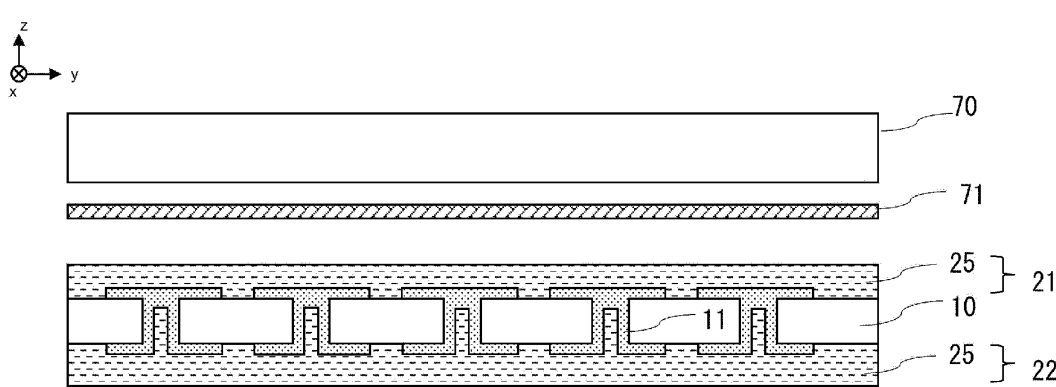
[図72]

図 7 2



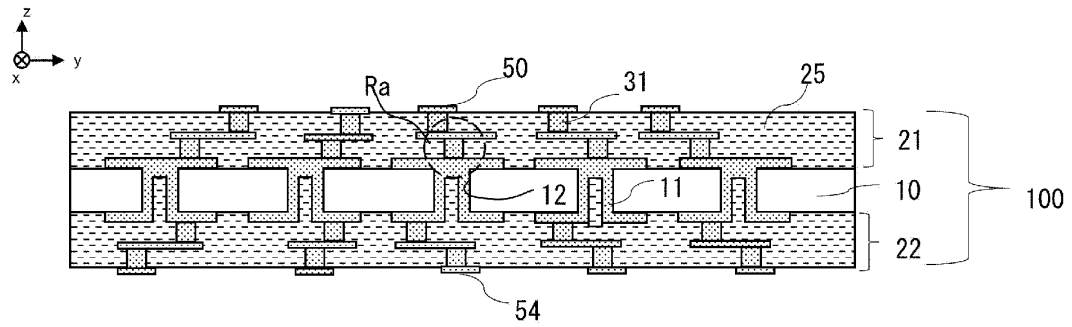
[図73]

図 7 3



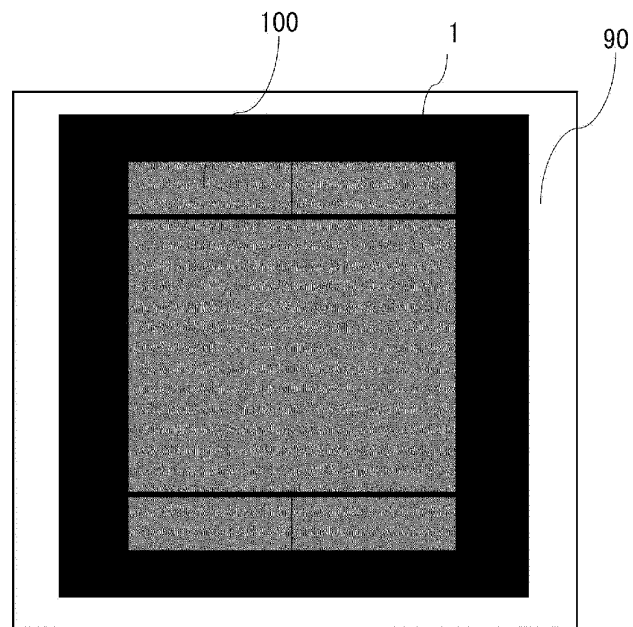
[図74]

図 7 4



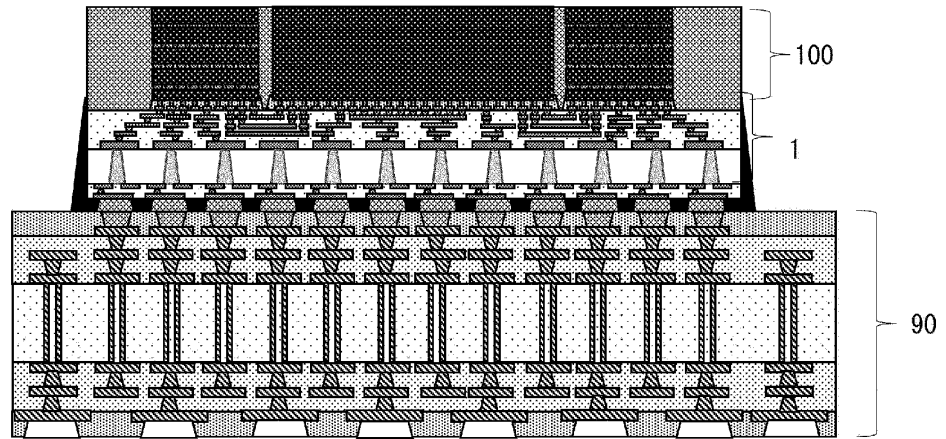
[図75]

図 7 5



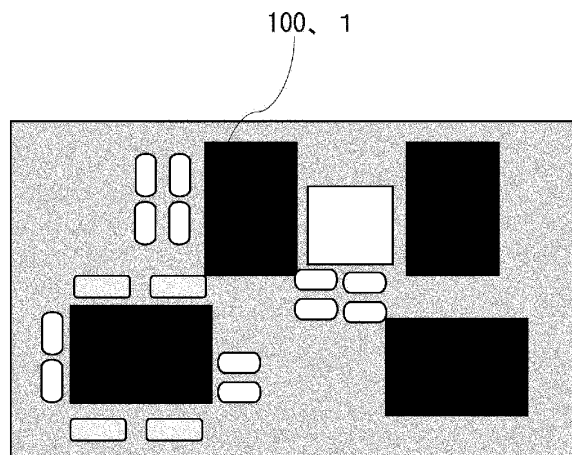
[図76]

図 7 6



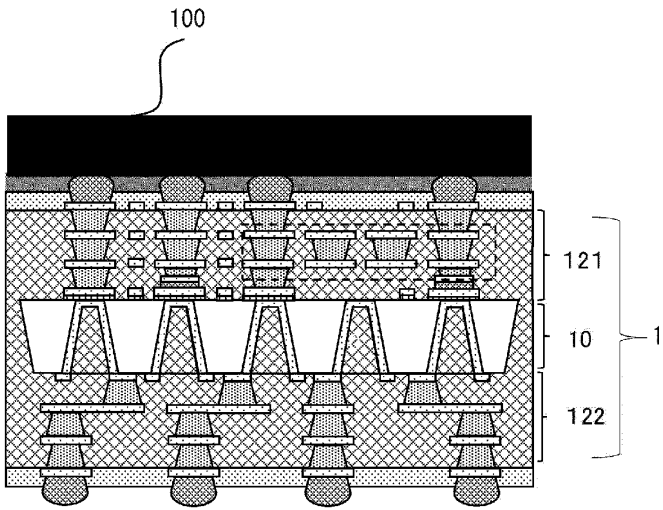
[図77]

図 7 7



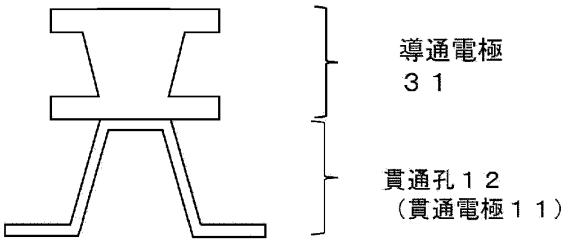
[図78]

図 7 8



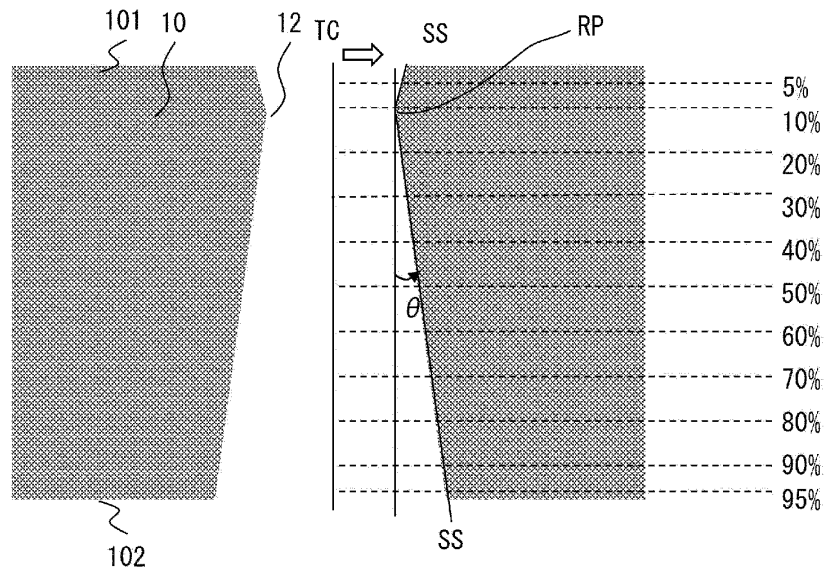
[図79]

図 7 9



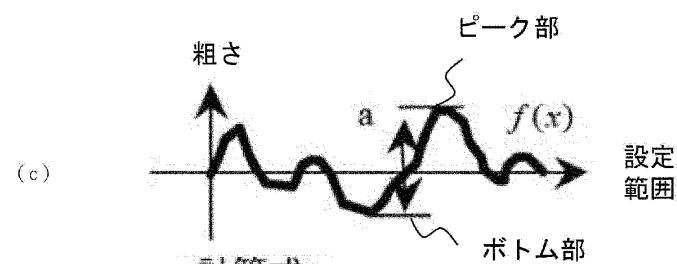
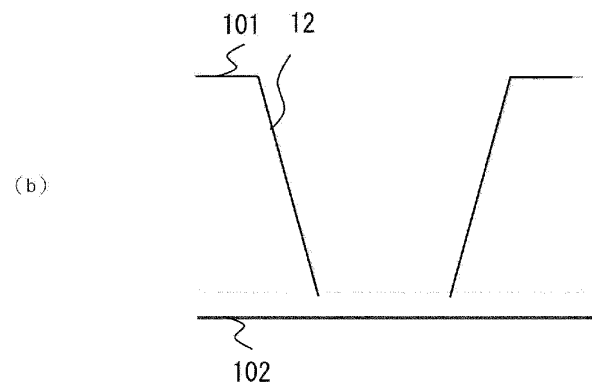
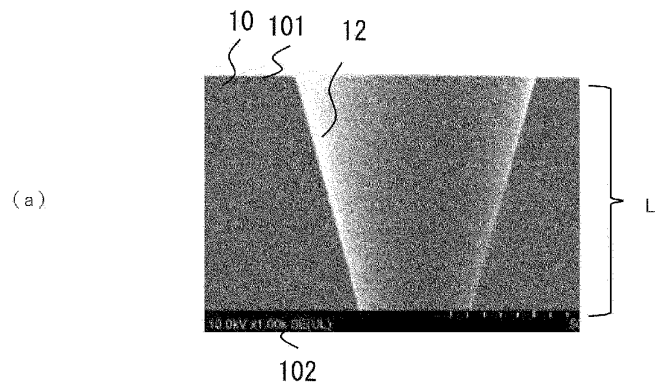
[図80]

图 80



[図81]

図 8 1



<計算式>

平均粗さ、(平均分散粗さ)

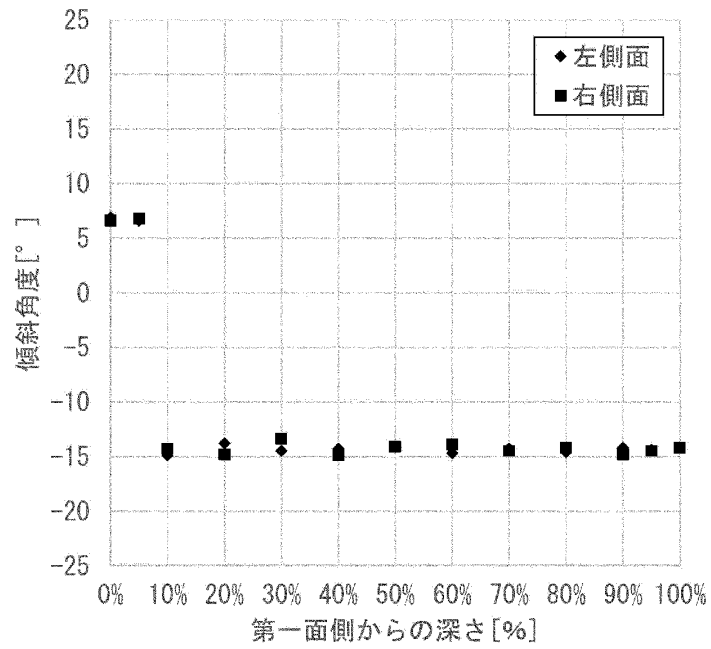
$$R_a = \frac{1}{L} \int_0^L |f(x)|^{(2)} dx \quad \dots \text{式 (1)}$$

L 設定領域の長さ

ラフネス幅: a

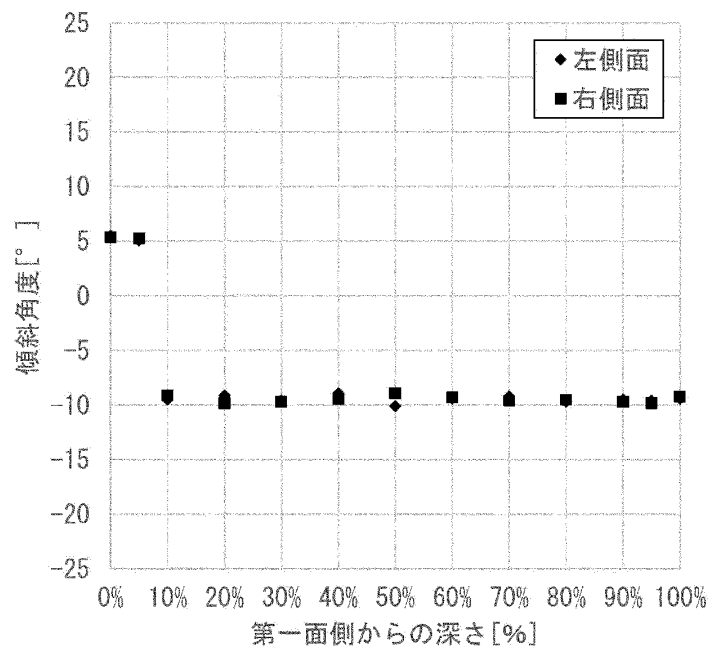
[図82]

図 8 2



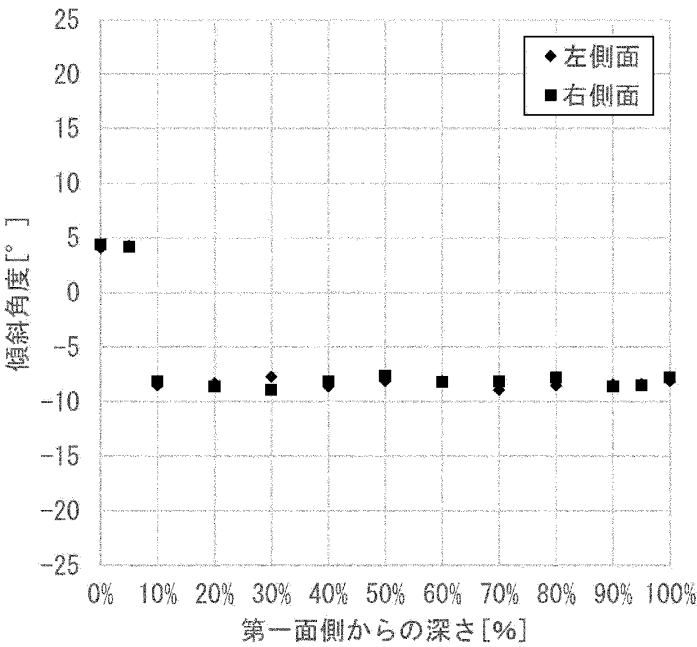
[図83]

図 8 3



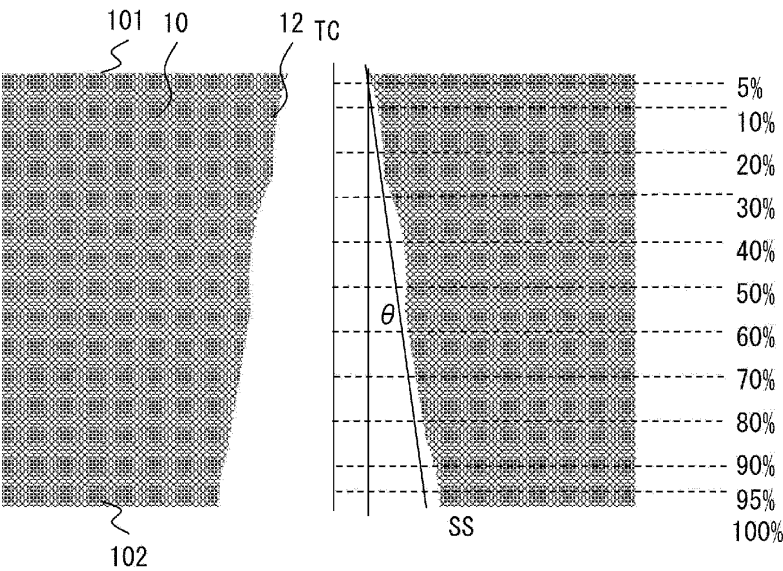
[図84]

図 8 4



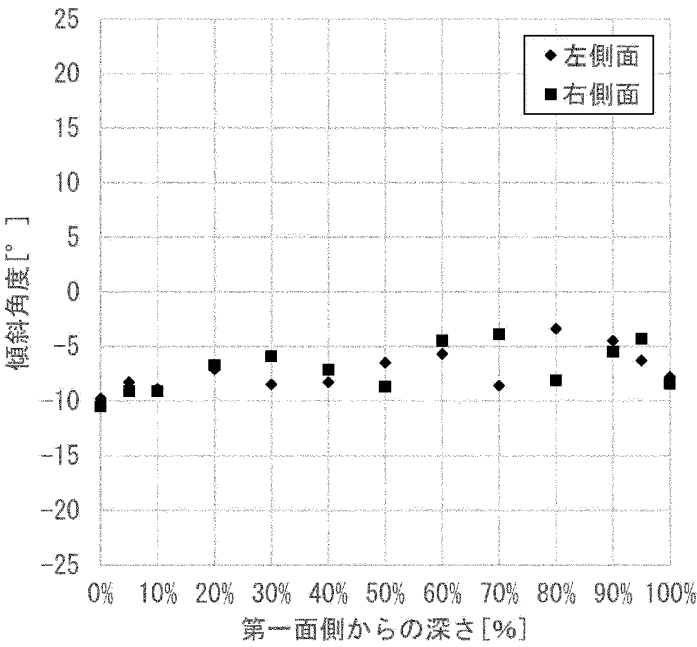
[図85]

図 8 5



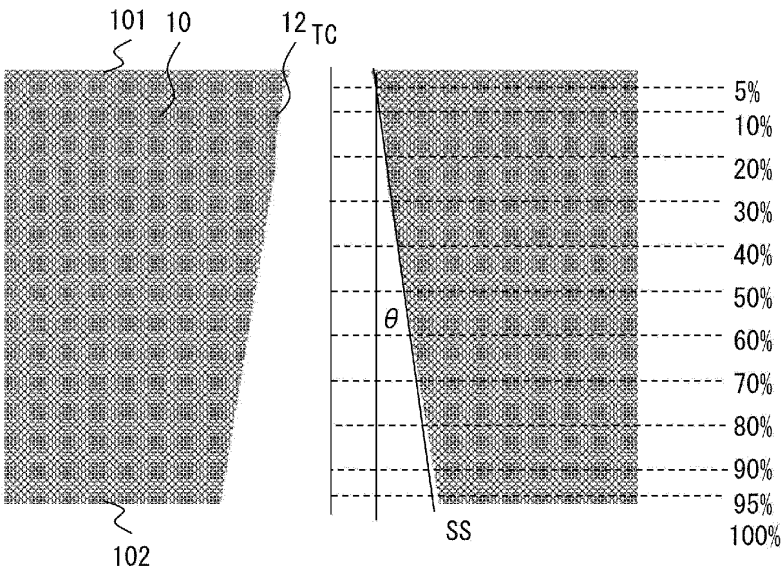
[図86]

図 8 6



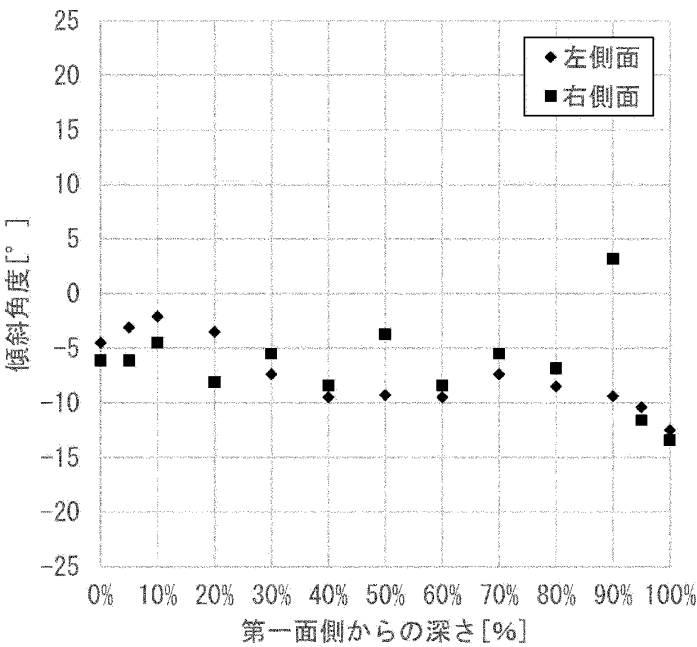
[図87]

図 8 7



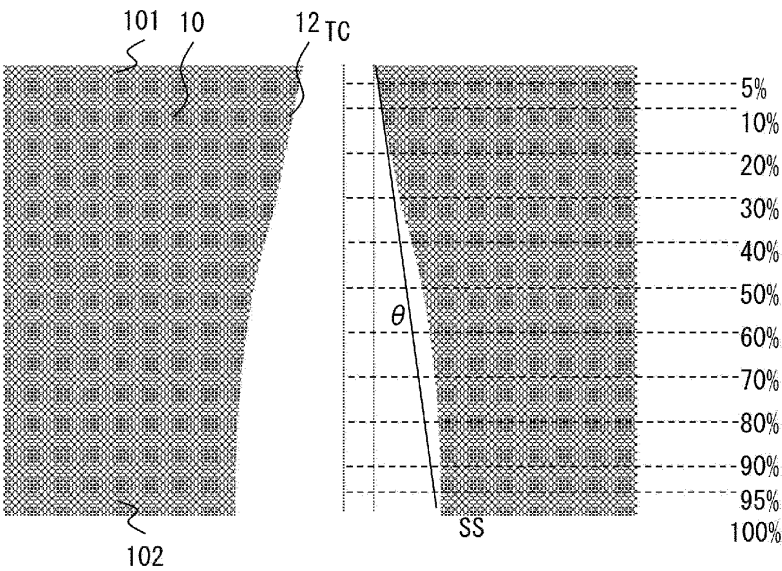
[図88]

図 8 8



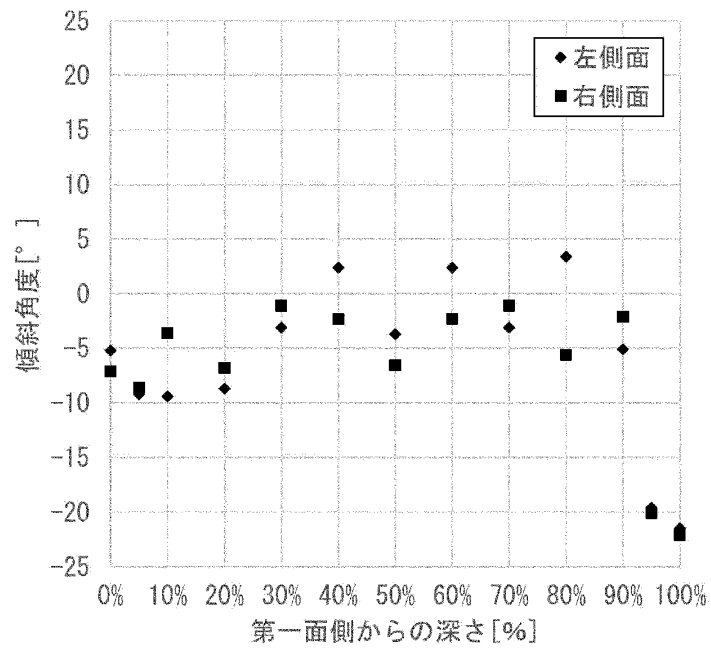
[図89]

図 8 9



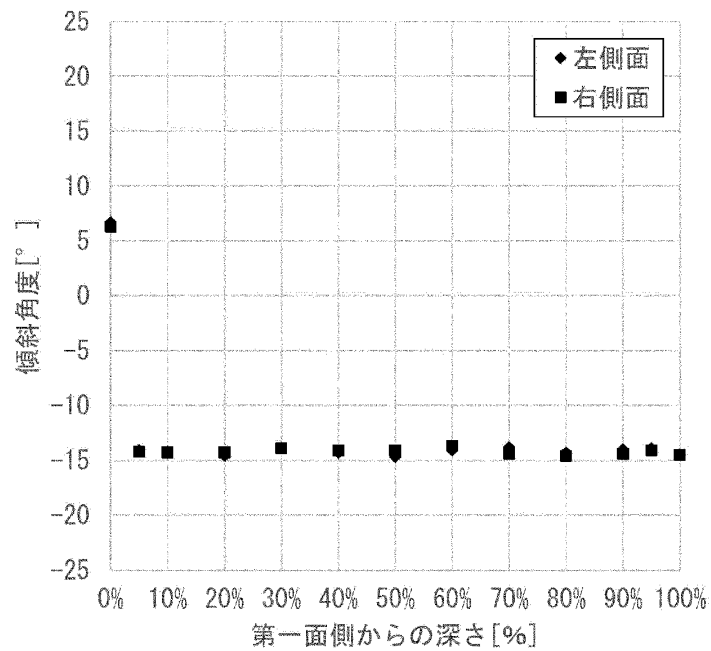
[図90]

図 9 0



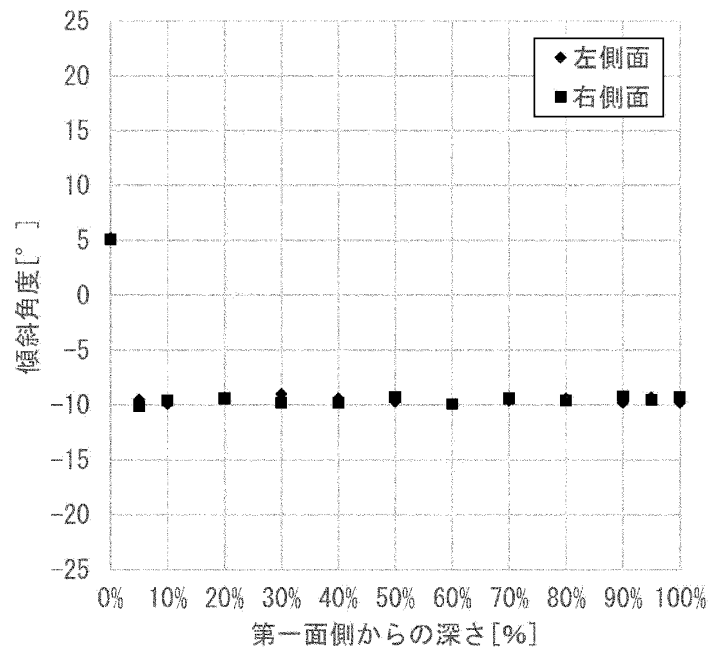
[図91]

図 9 1



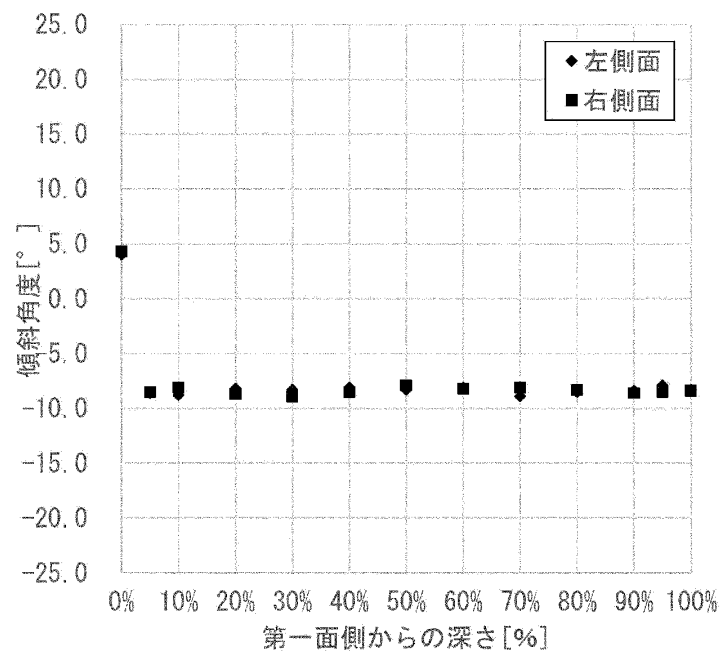
[図92]

図 9 2



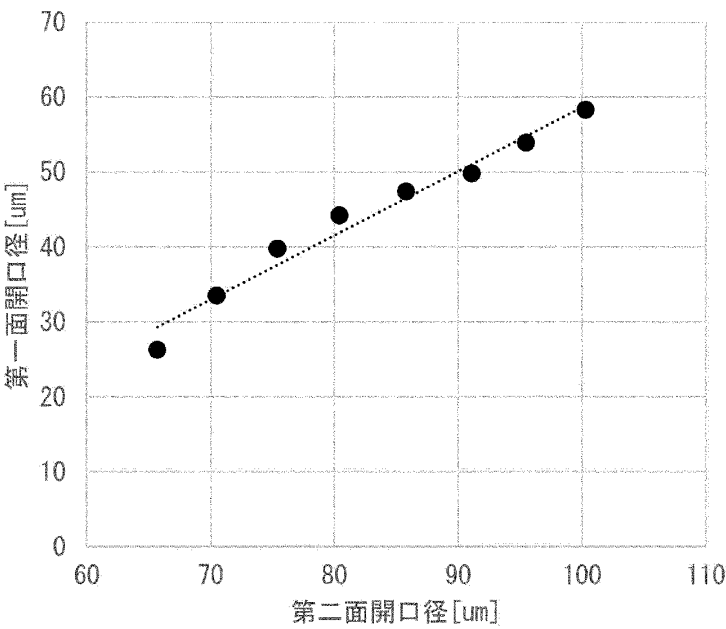
[図93]

図 9 3



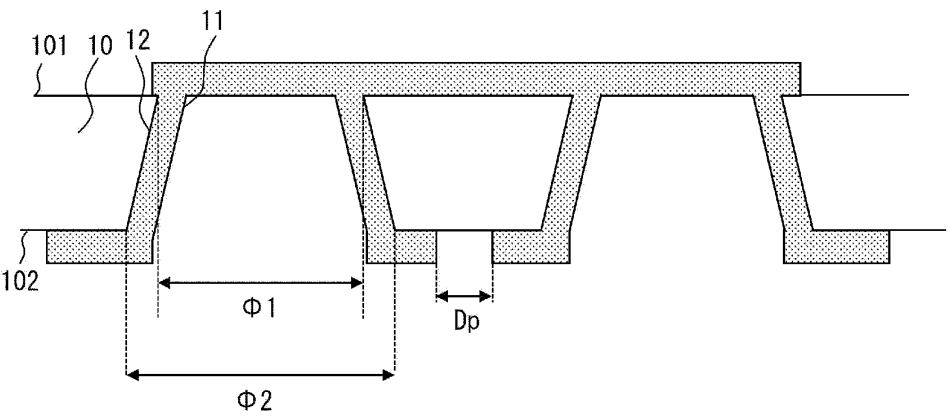
[図94A]

図 9 4 A



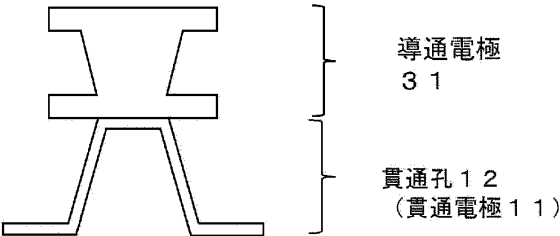
[図94B]

図 9 4 B



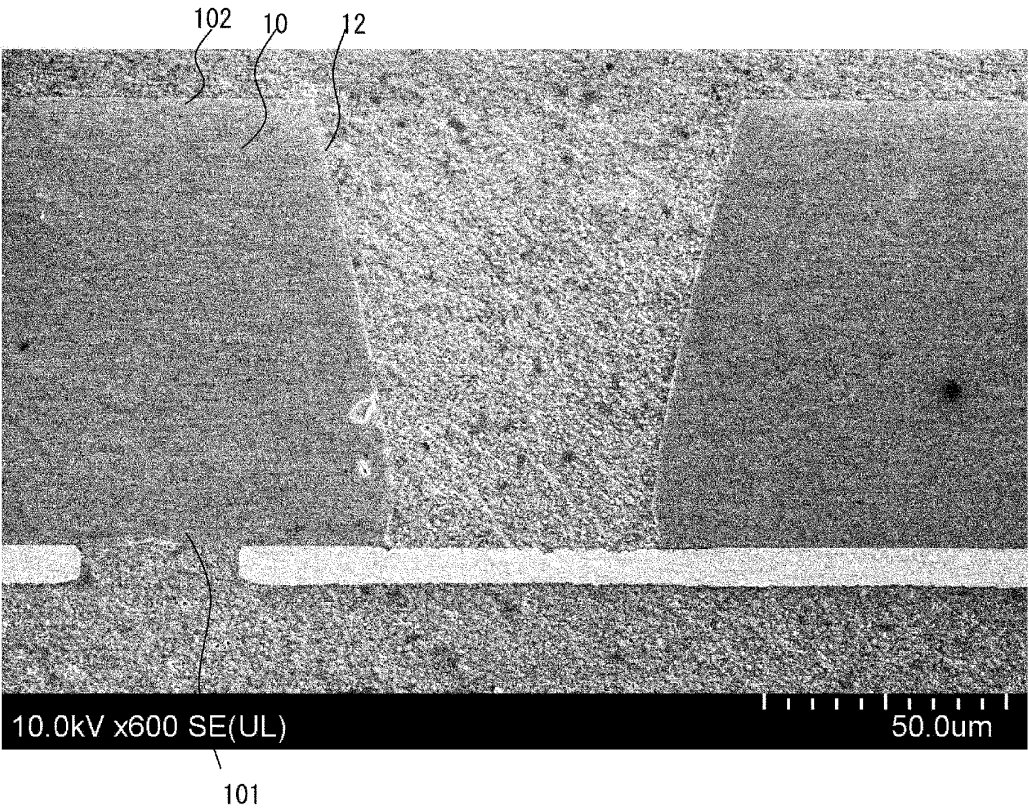
[図94C]

図 9 4 C



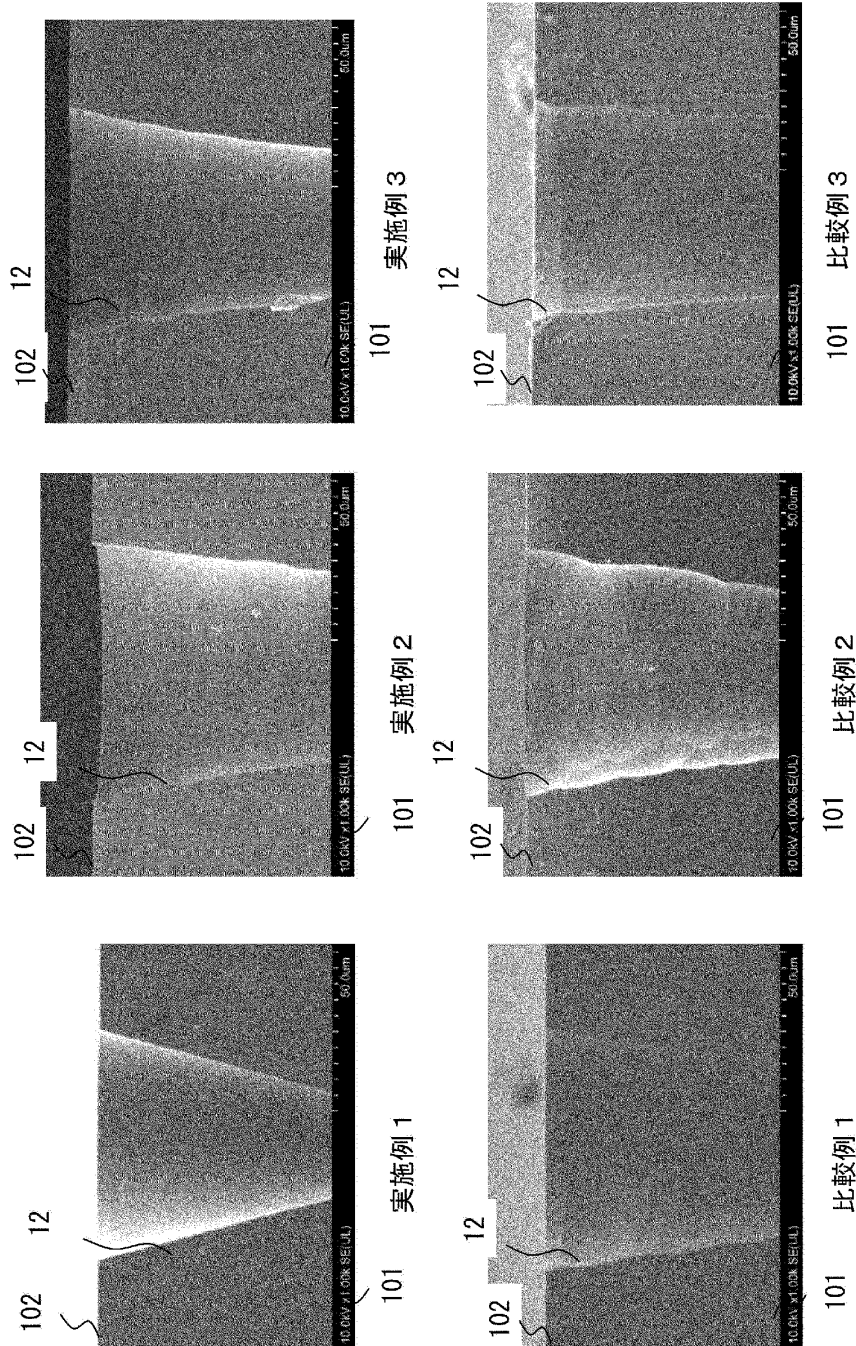
[図95A]

図 9 5 A



[図95B]

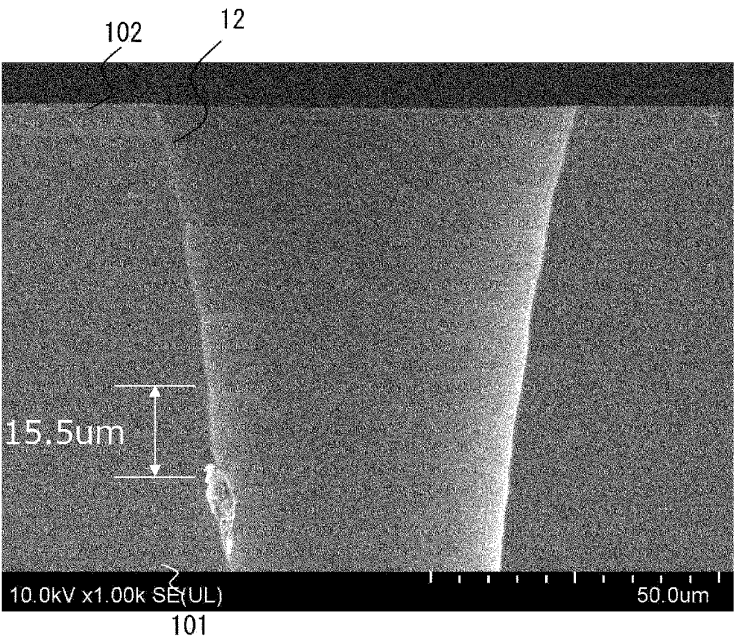
図95B



[図95C]

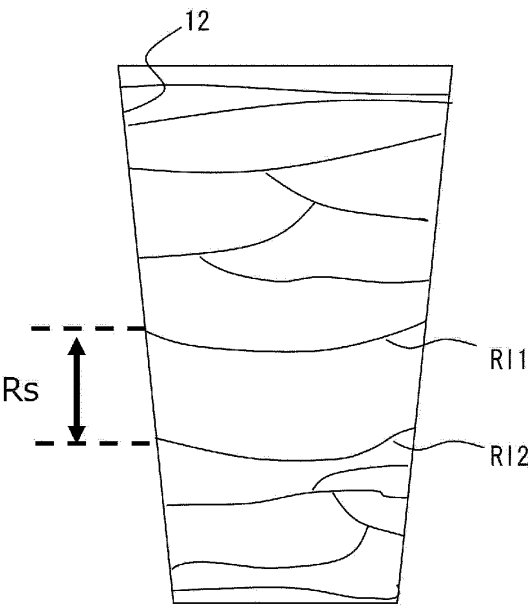
図 9 5 C

(a)



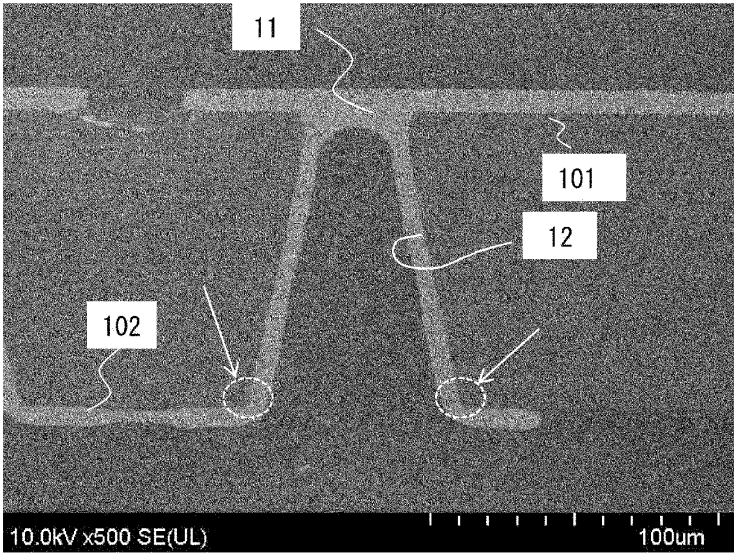
実施例 3

(b)



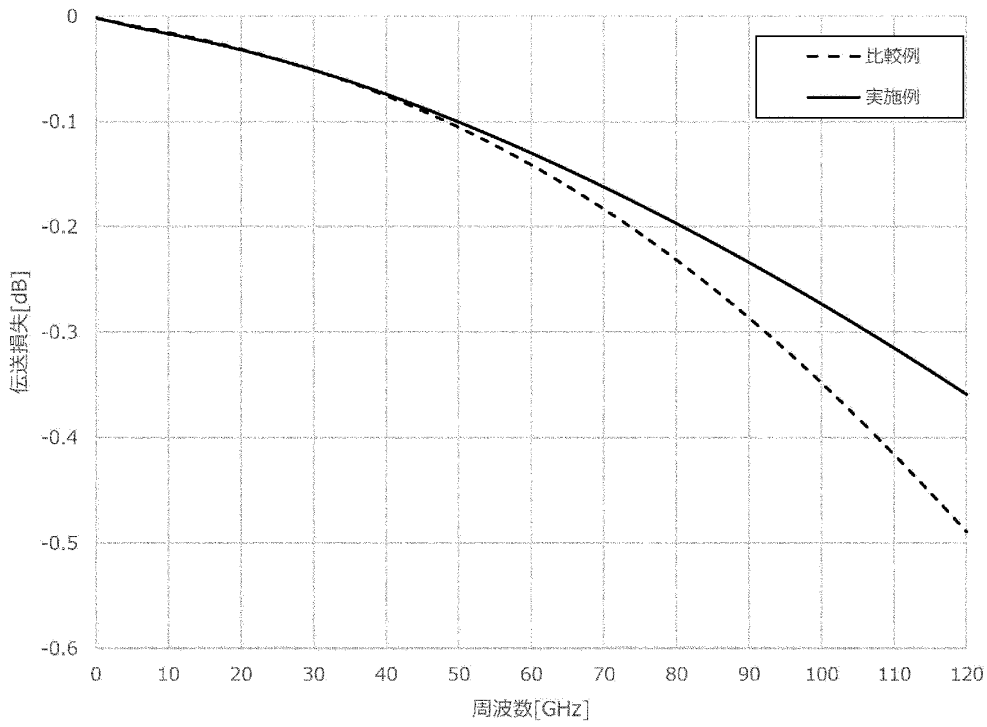
[図95D]

図 9 5 D



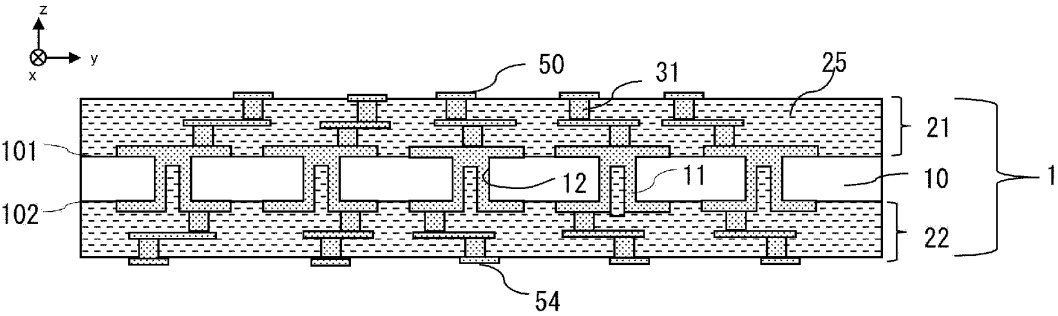
[図96]

図 9 6



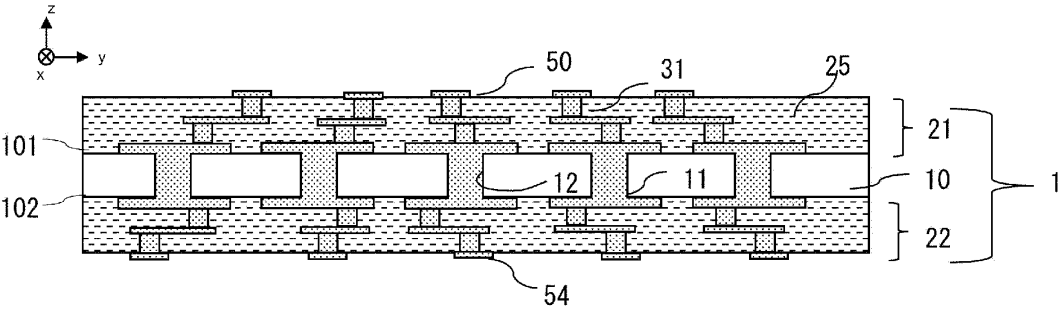
[図97]

図 9 7



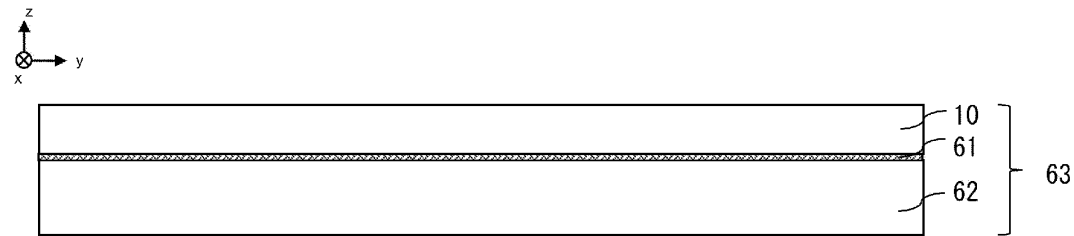
[図98]

図 9 8



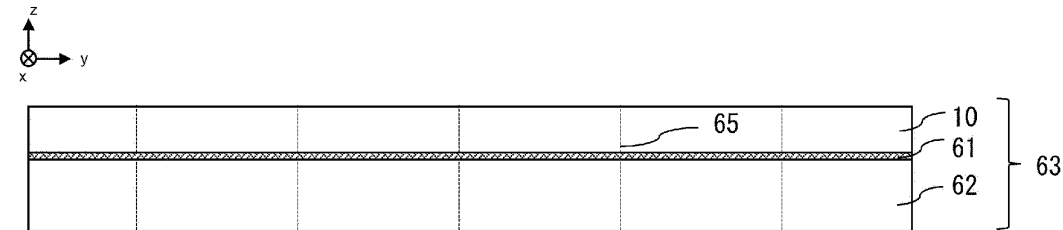
[図99]

図 9 9



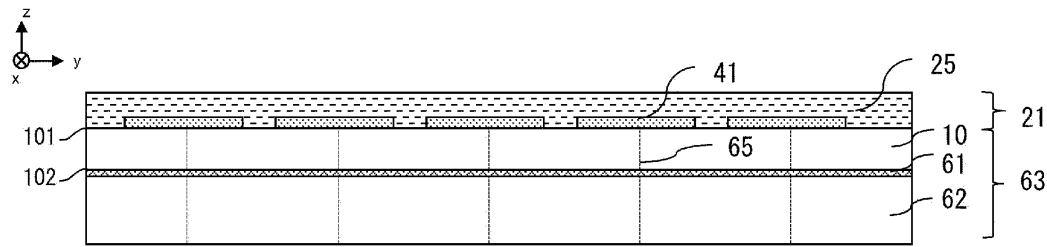
[図100]

図 1 0 0



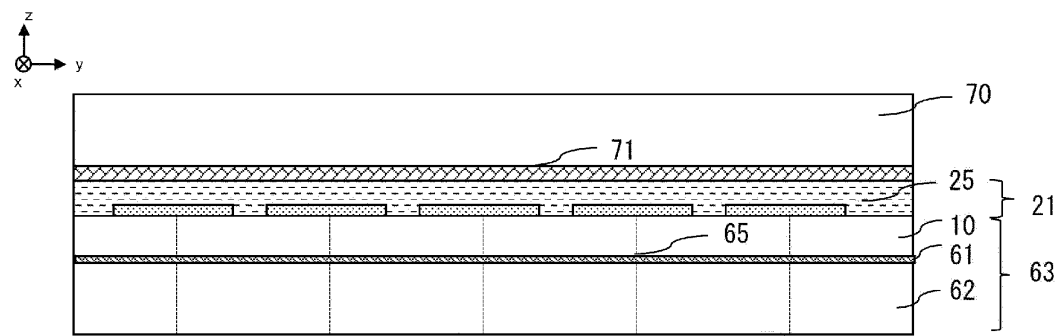
[図101]

図 1 0 1



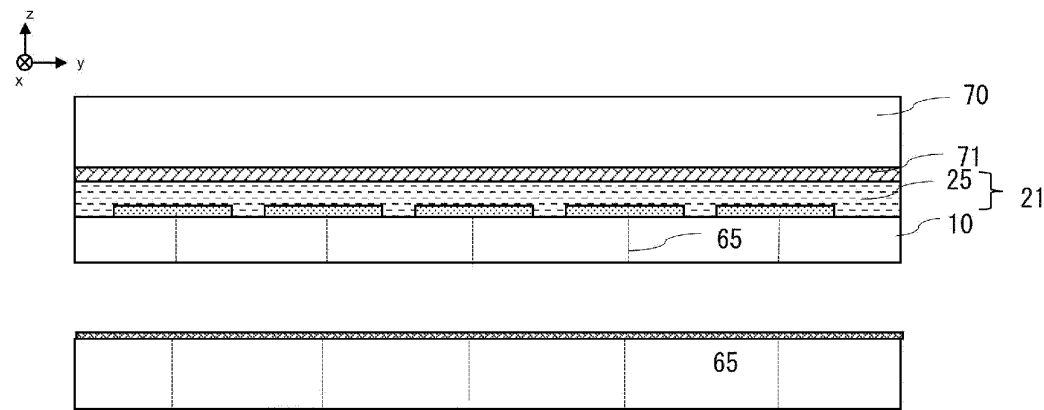
[図102]

図 1 0 2



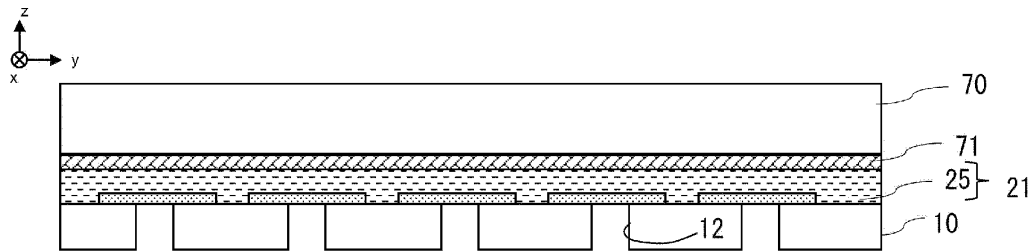
[図103]

図 1 0 3



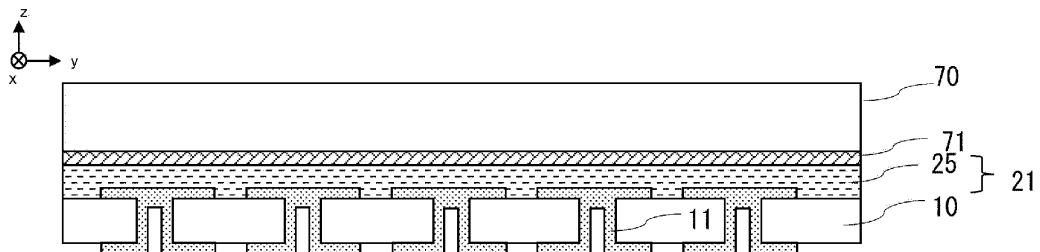
[図104]

図 1 0 4



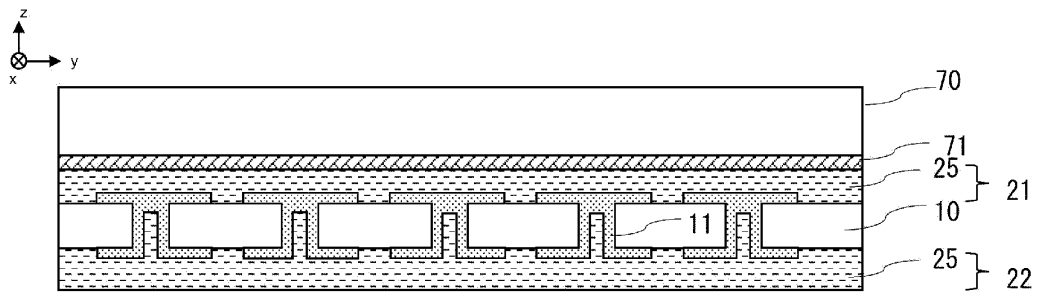
[図105]

図 1 0 5



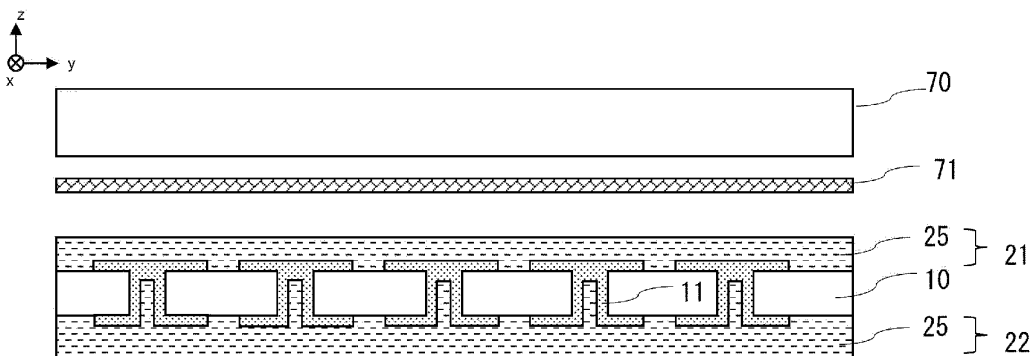
[図106]

図 1 0 6



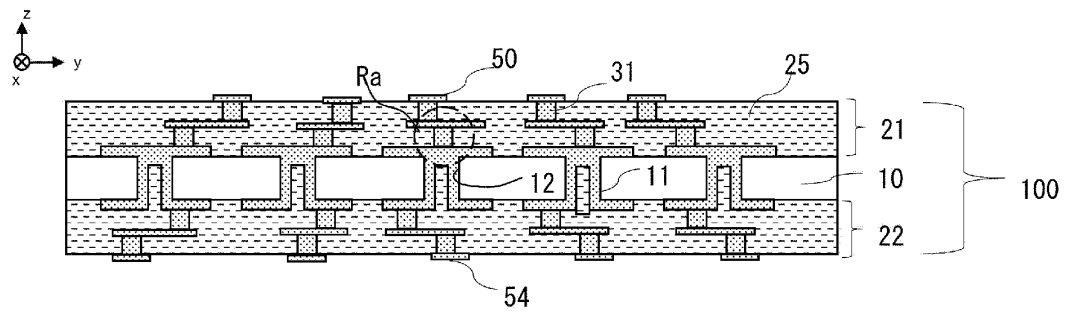
[図107]

図 1 0 7



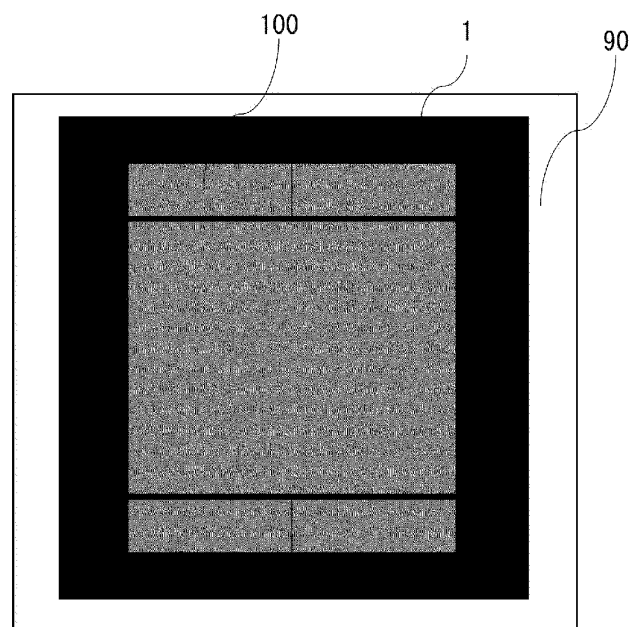
[図108]

図 108



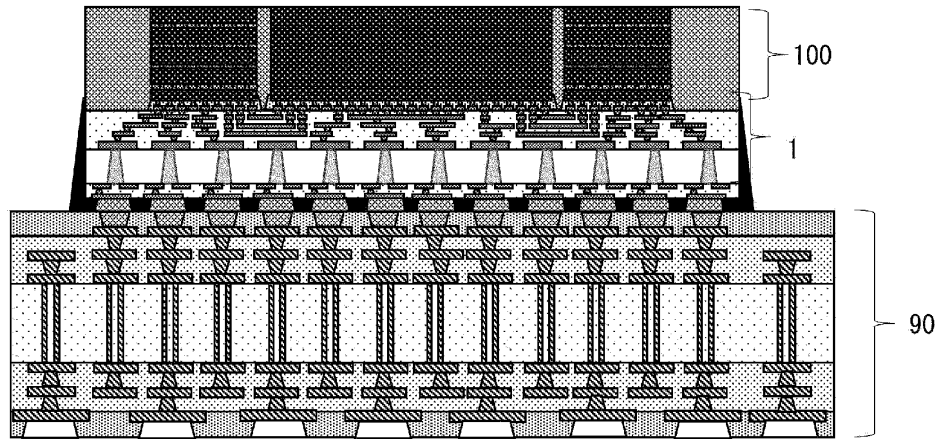
[図109]

図 109



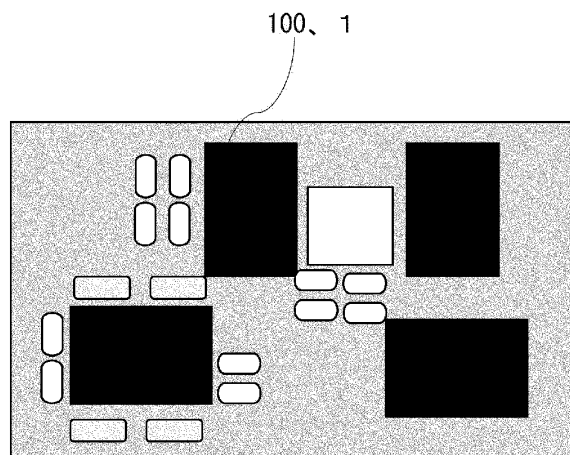
[図110]

図 1 1 0



[図111]

図 1 1 1



[図112]

図 1 1 2

