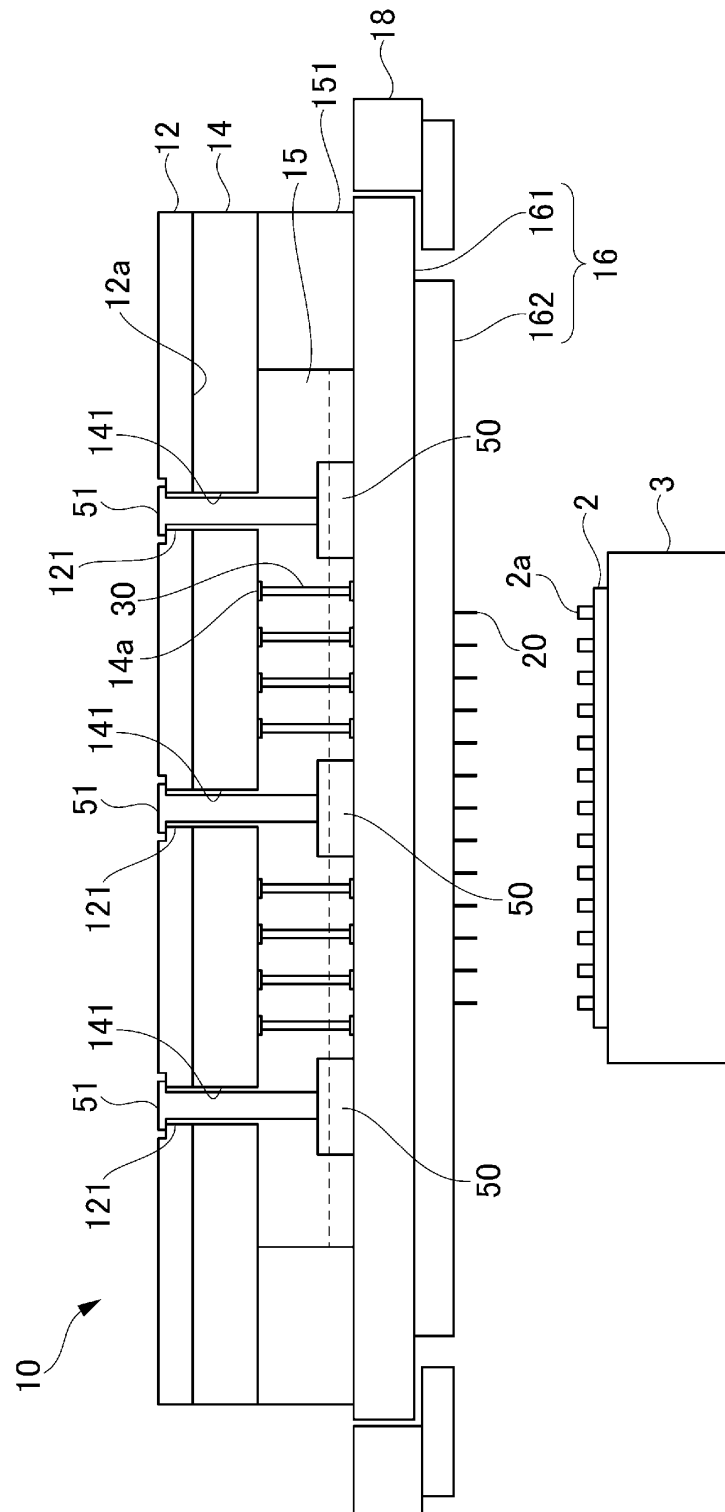
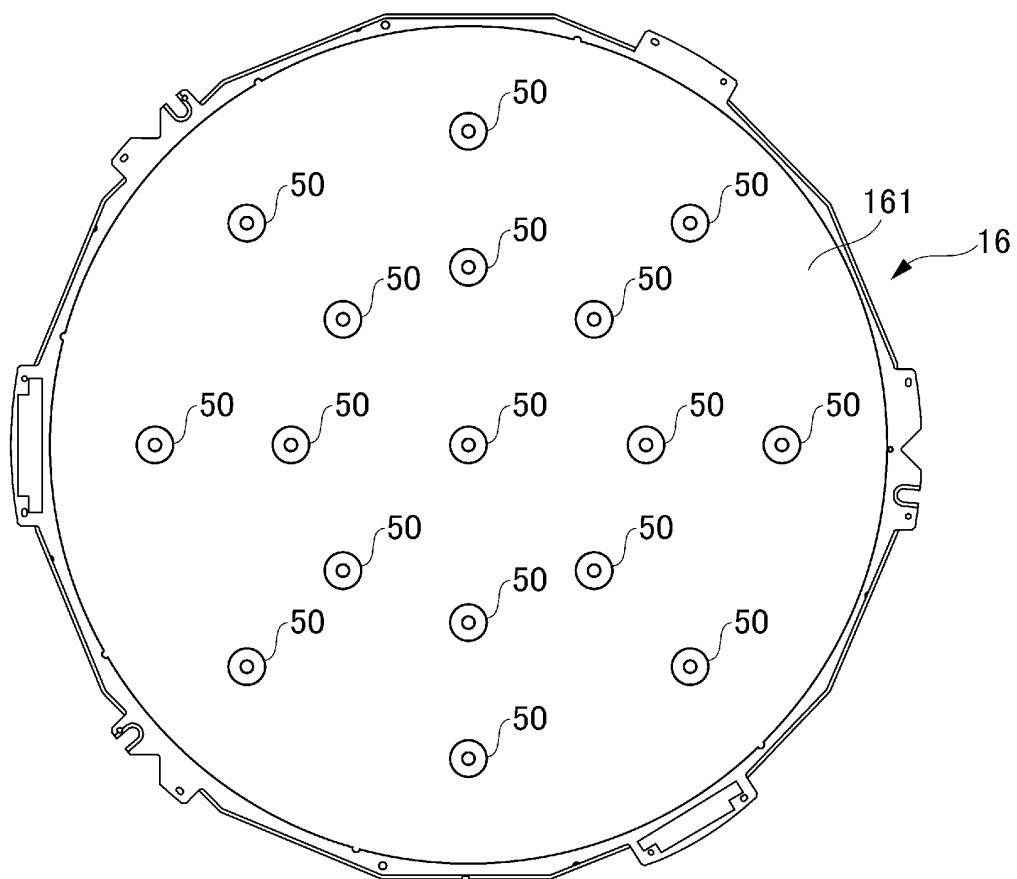


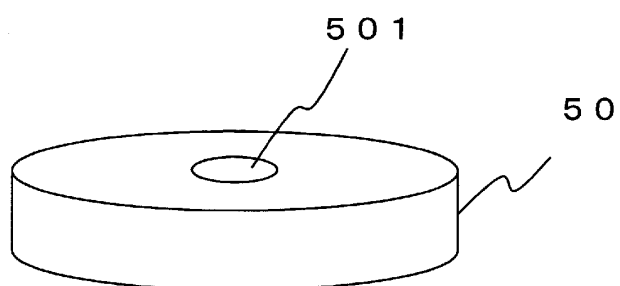
[図1]



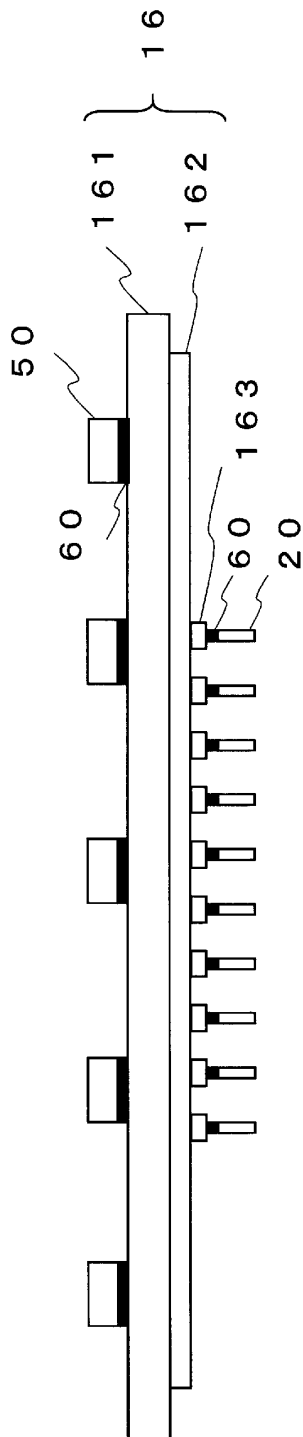
[図2]



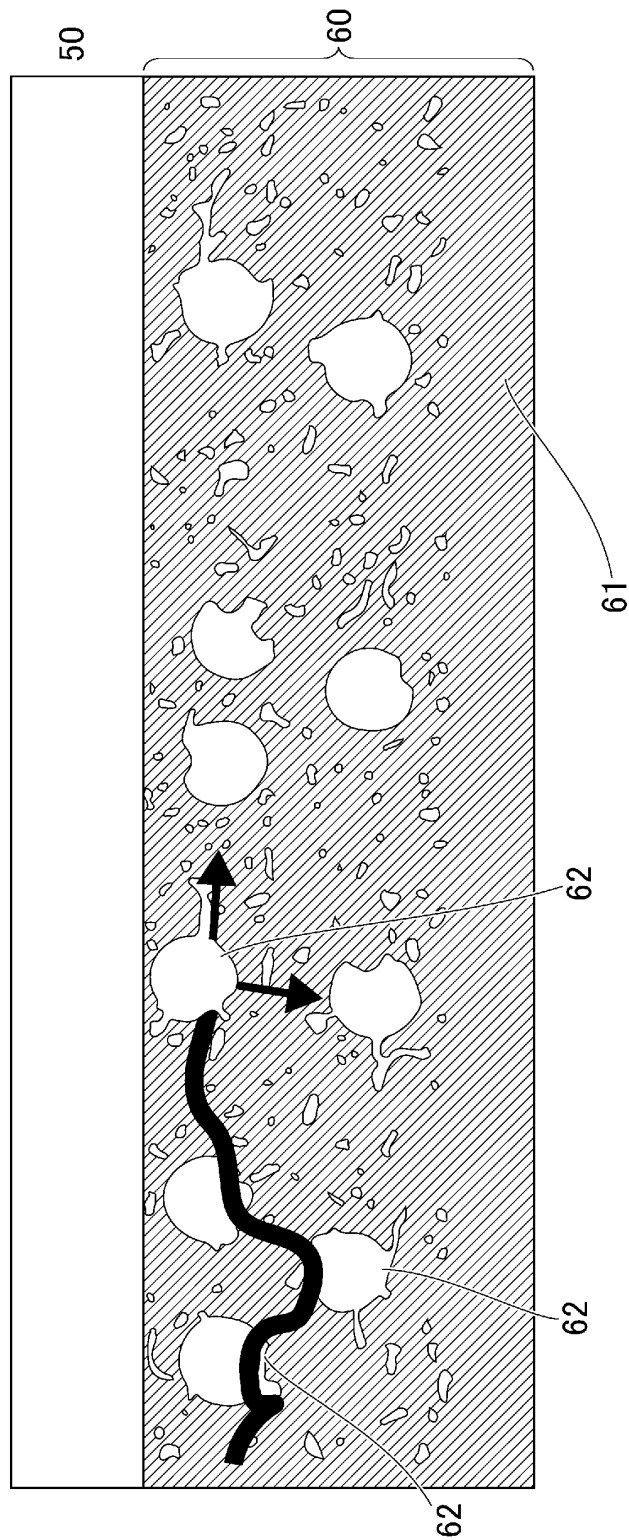
[図3]



[図4]



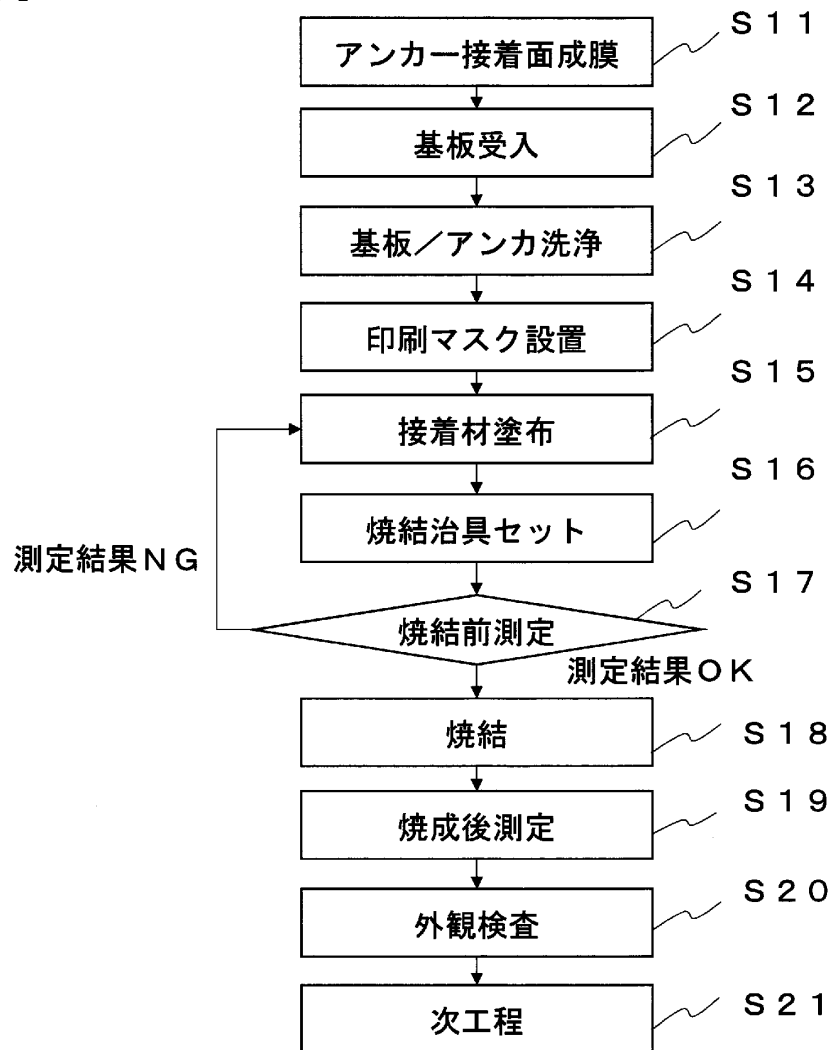
[図5]



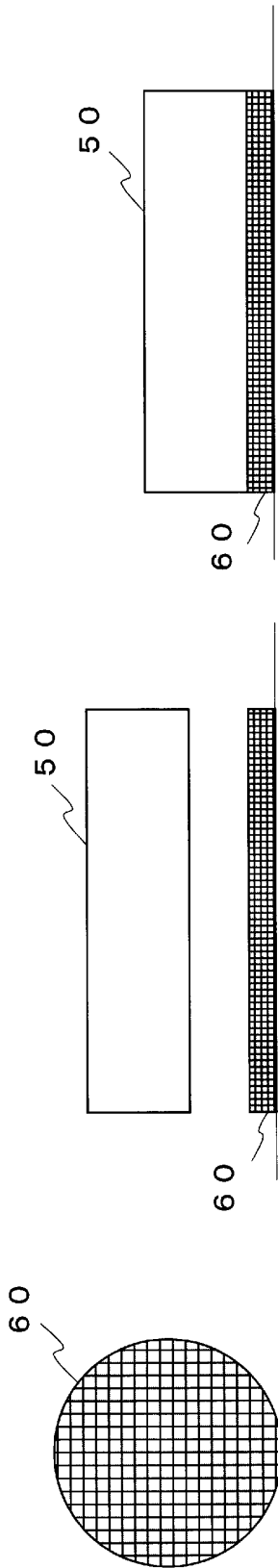
[図6]

	金属層の金属成分		接合部の接合面に対する垂直断面観察による金属成分が占める面積 (%)	接合部の接合面に対する垂直断面観察による有機成分部位および／または空隙が占める面積 (%)	冷熱サイクルによる剥離試験(剥離面積の割合 (%))
	構成金属	遷移金属含有量			
実施例1	Ag	100at%	83	17	2
実施例2	Ag	100at%	70	30	5
実施例3	Ag	100at%	52	48	2
実施例4	Ag	100at%	93	7	10
実施例5	Ag、Cu	100at%(Ag:70at%、Cu30at%)	80	20	5
実施例6	Ag、Sn	90at%(Ag)	80	20	8
比較例1	Ag、Sn	65at%(Ag)	75	25	50

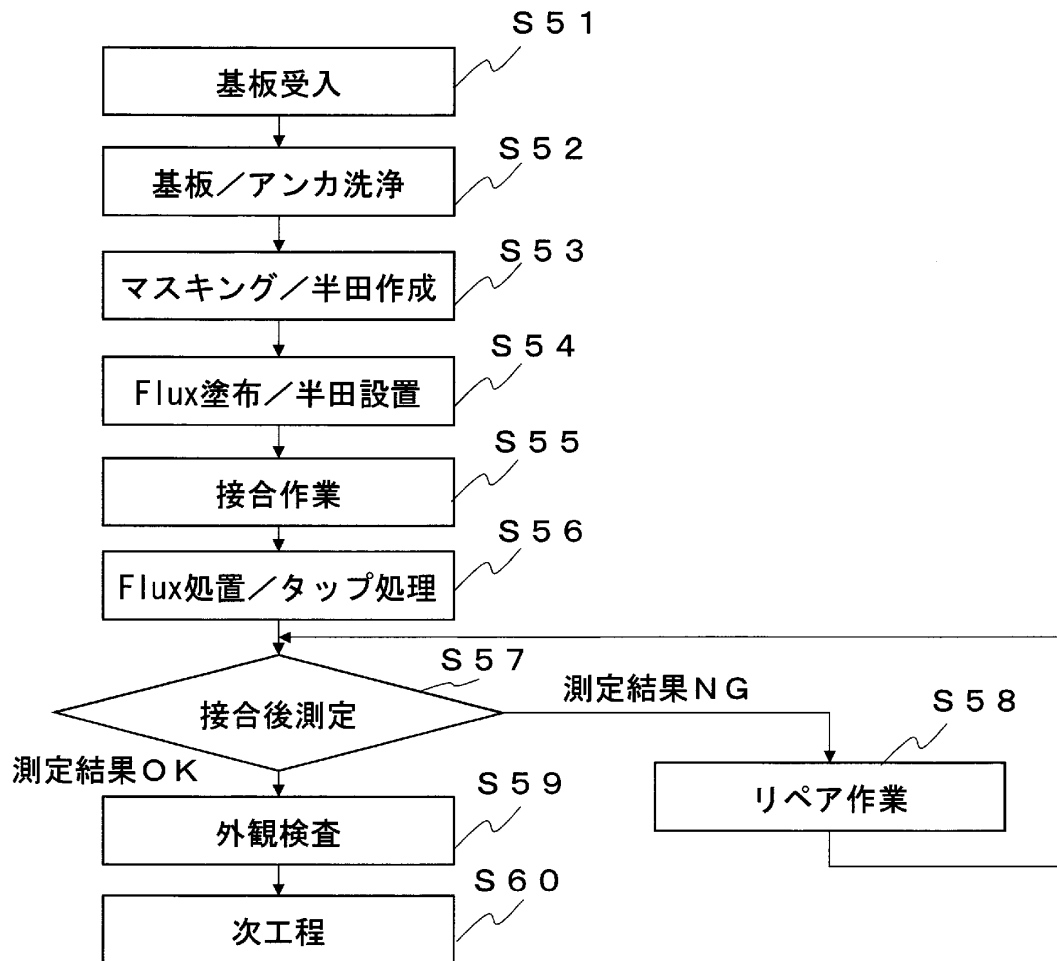
[図7]



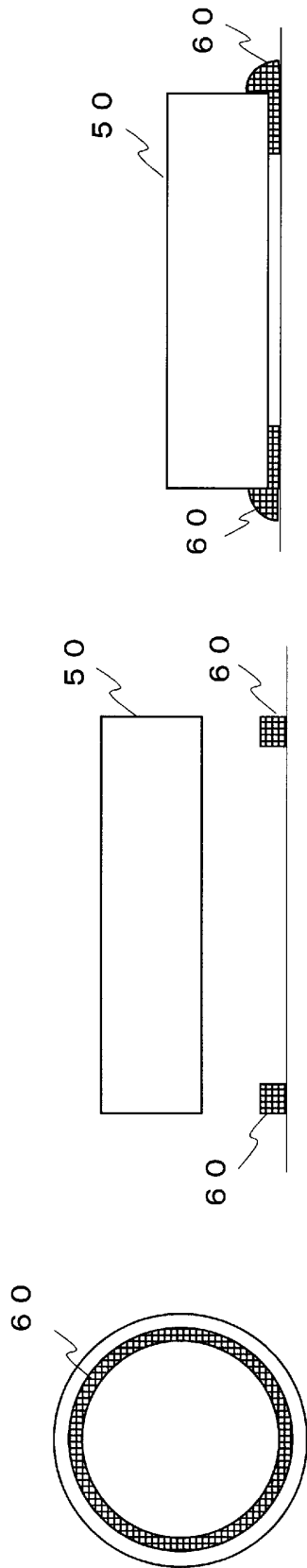
[図8]



[図9]



[図10]

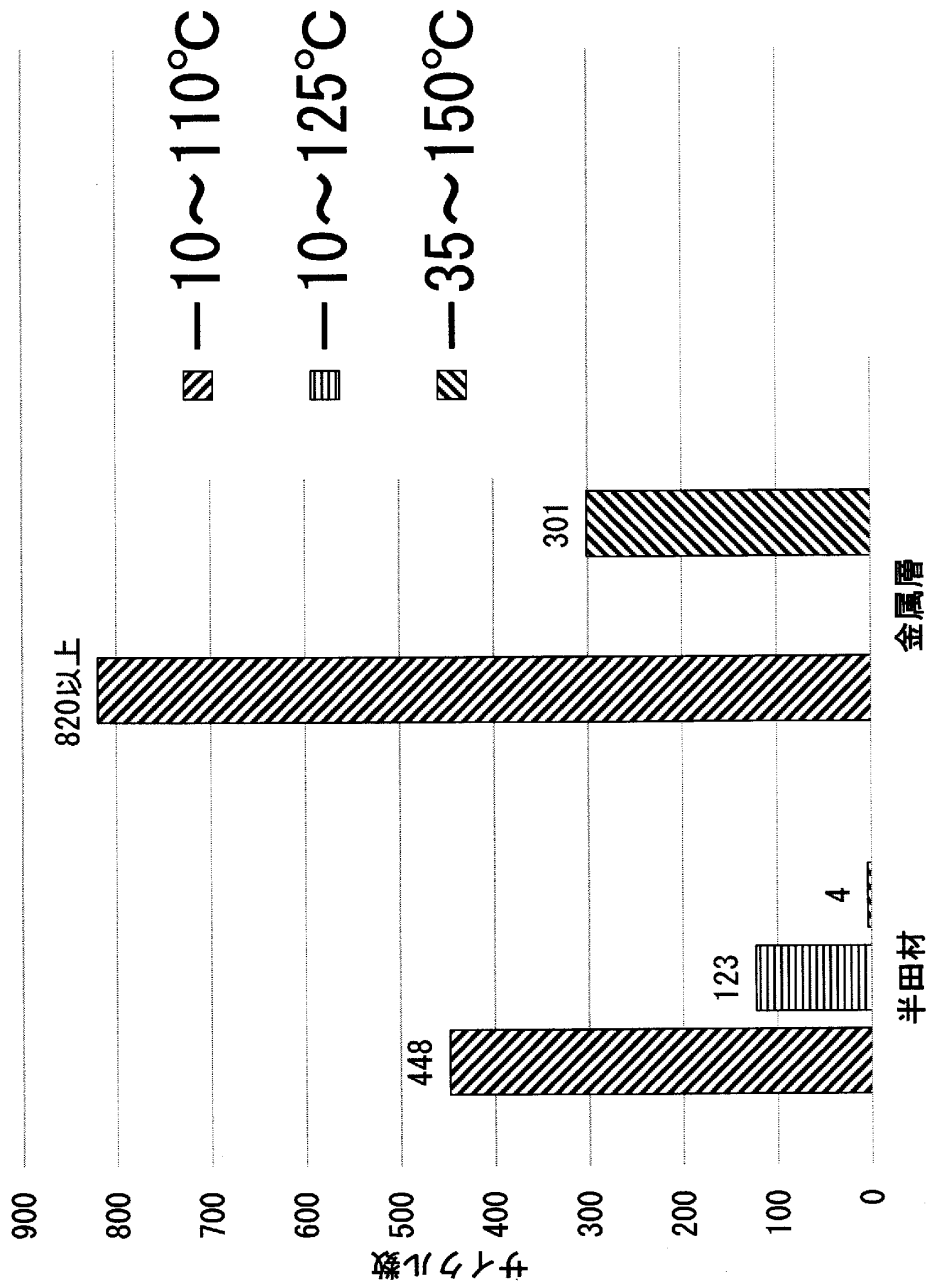


(A)

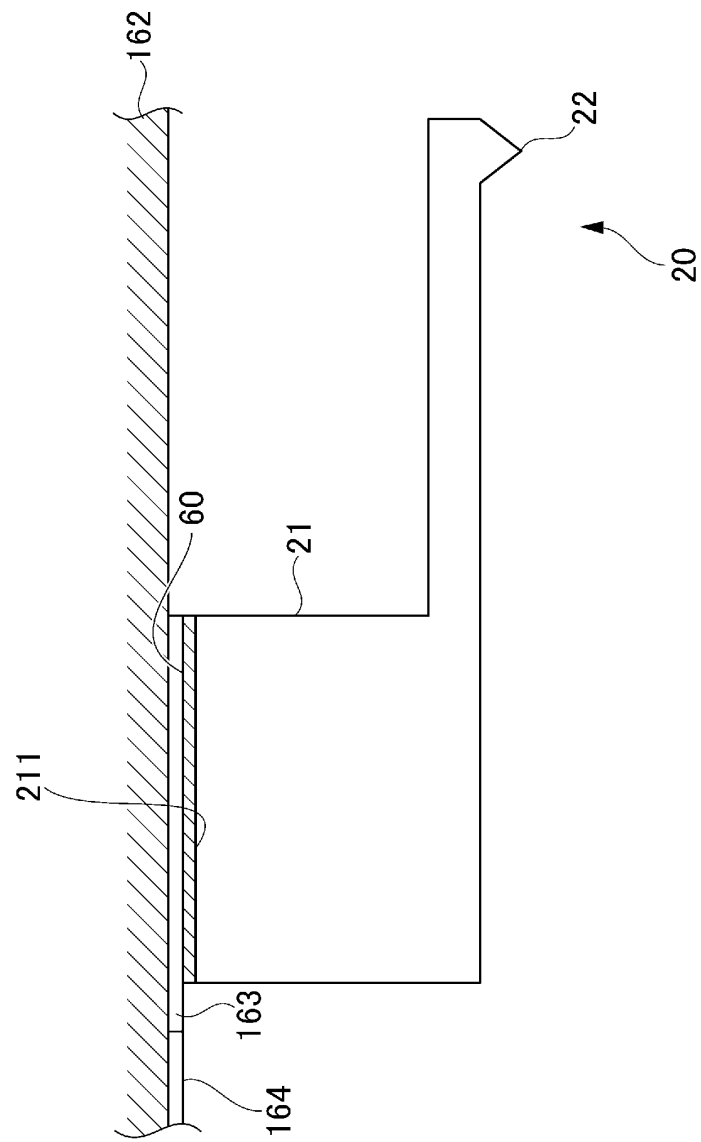
(B)

(C)

[図11]



[図12]



[図13]

