

FIG.1

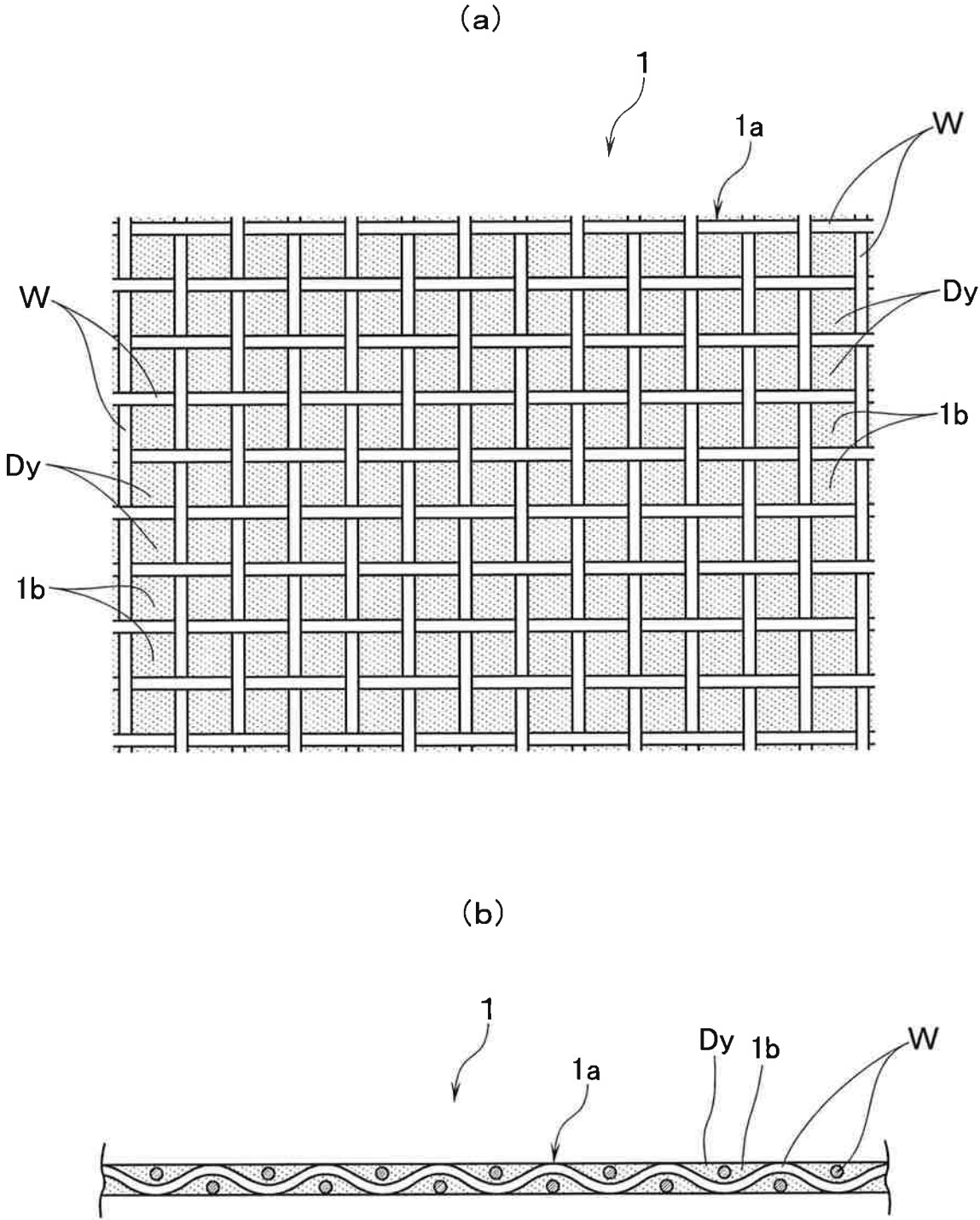


FIG.2

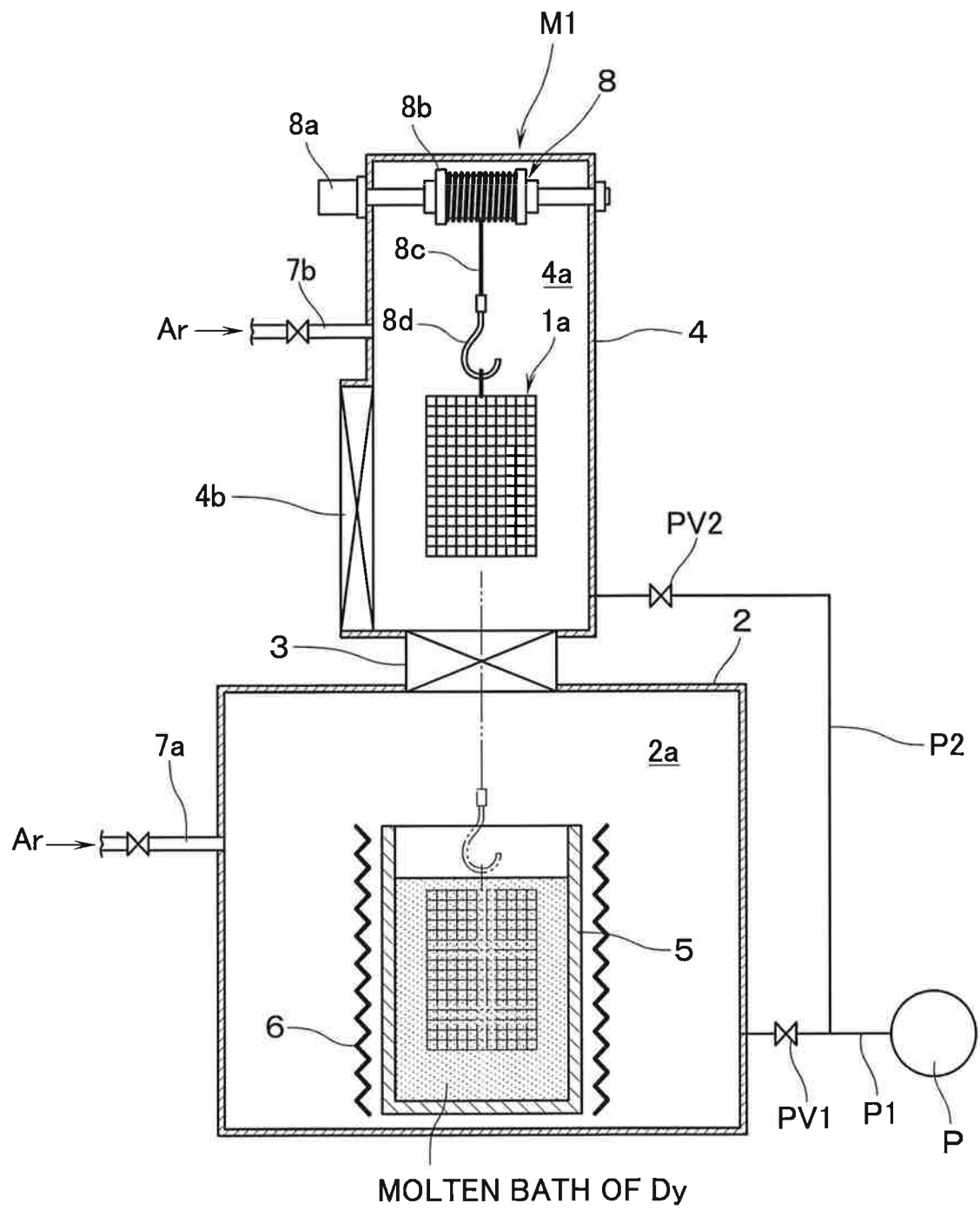


FIG.3

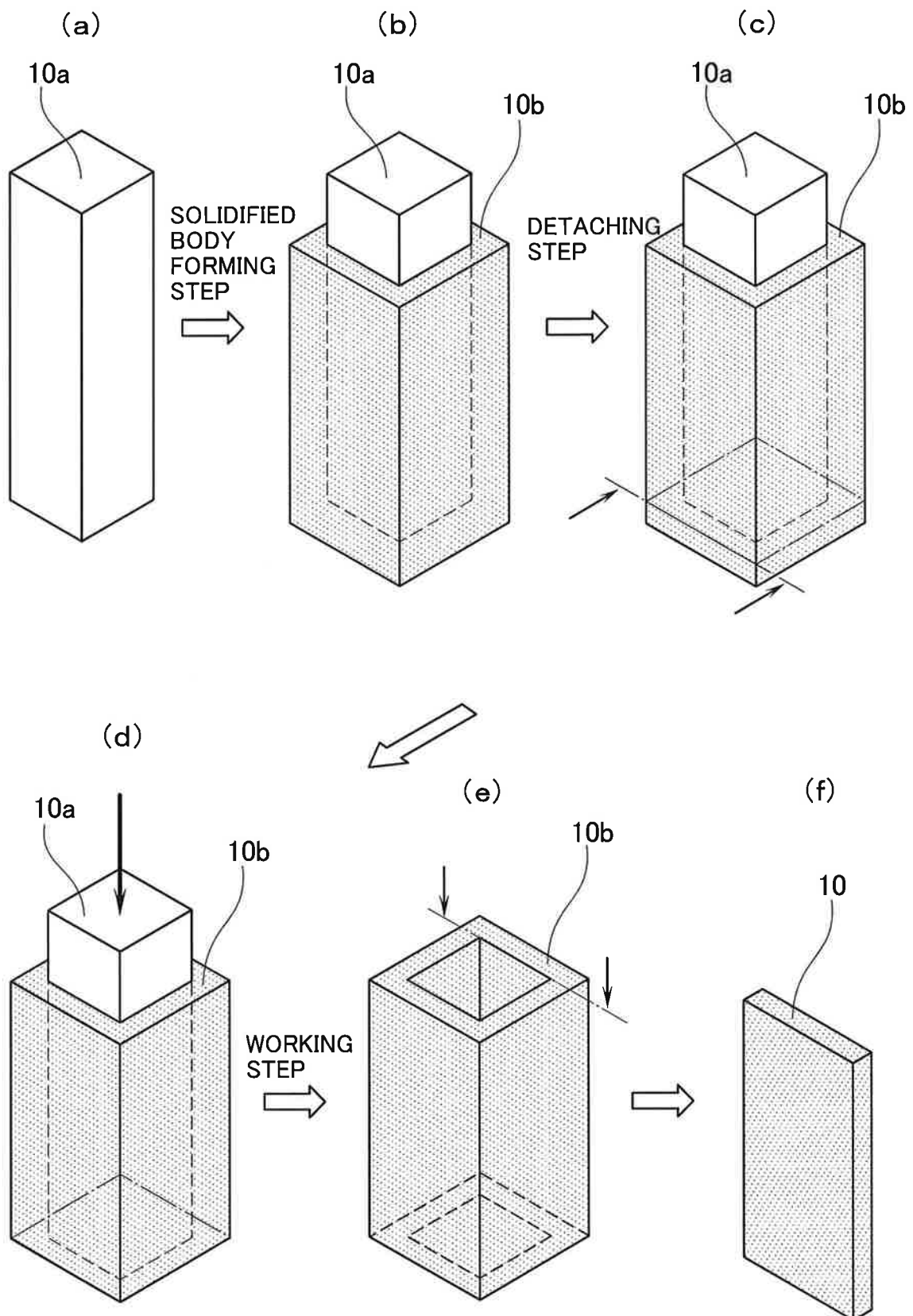


FIG.4

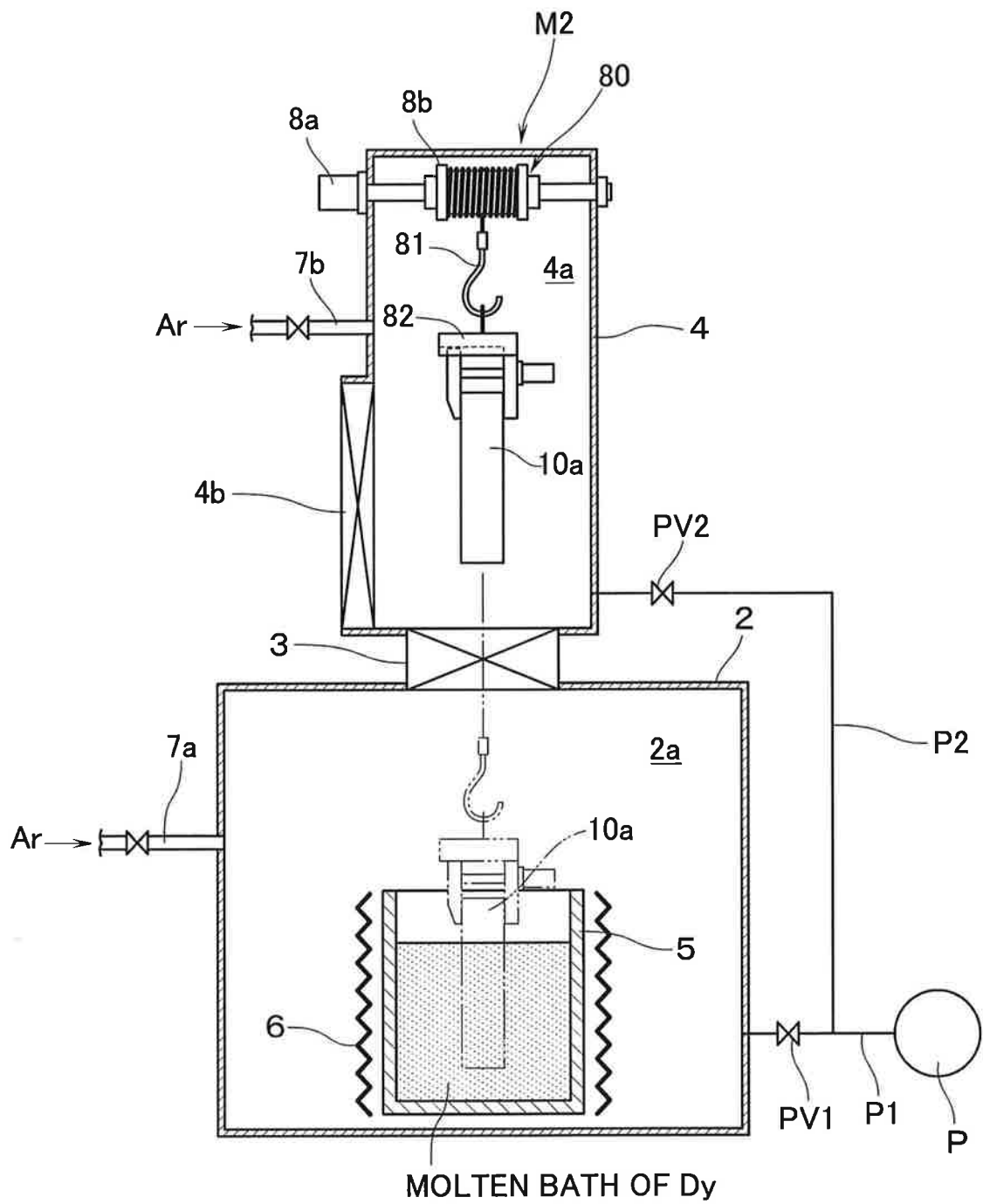


FIG.5

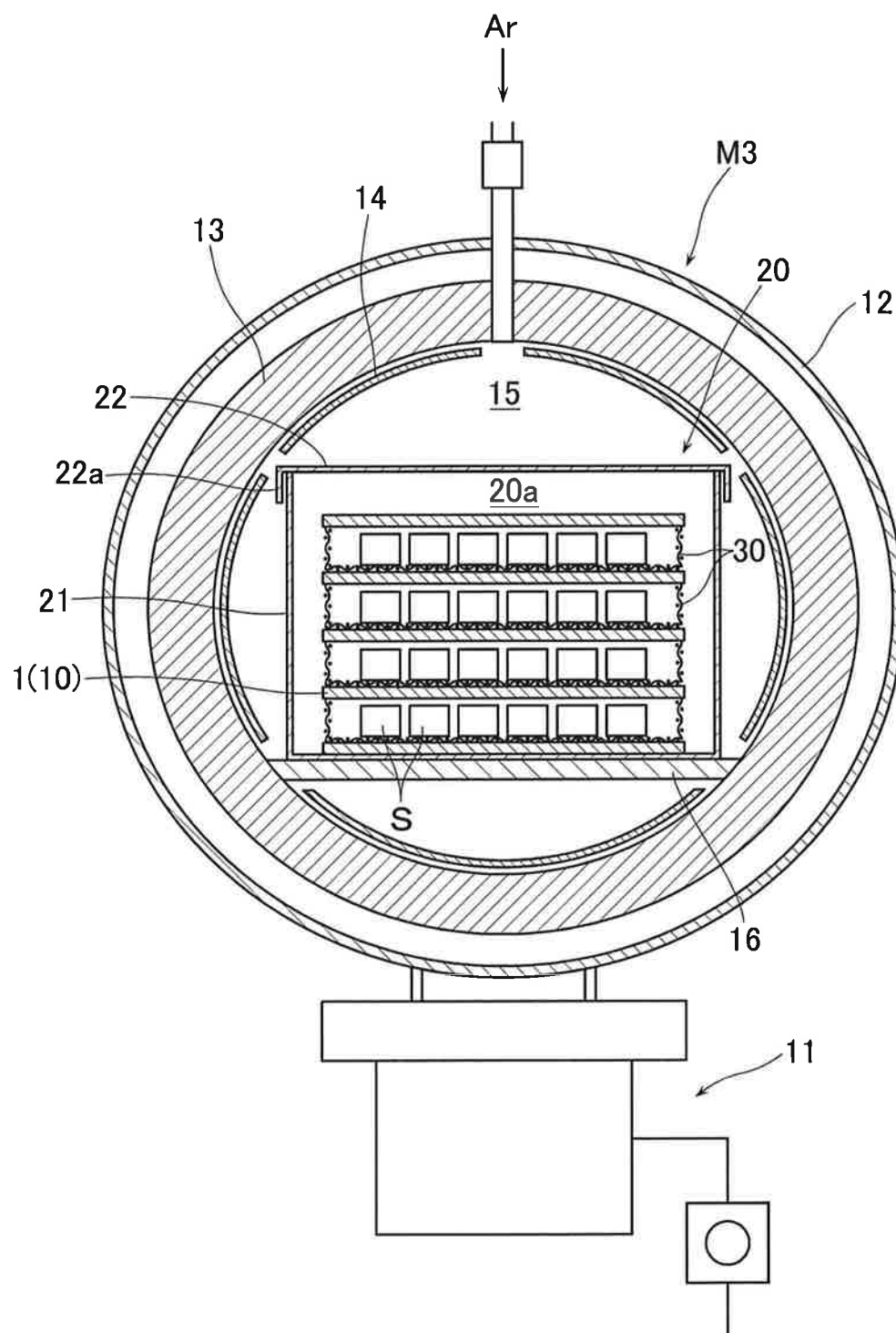


FIG.6

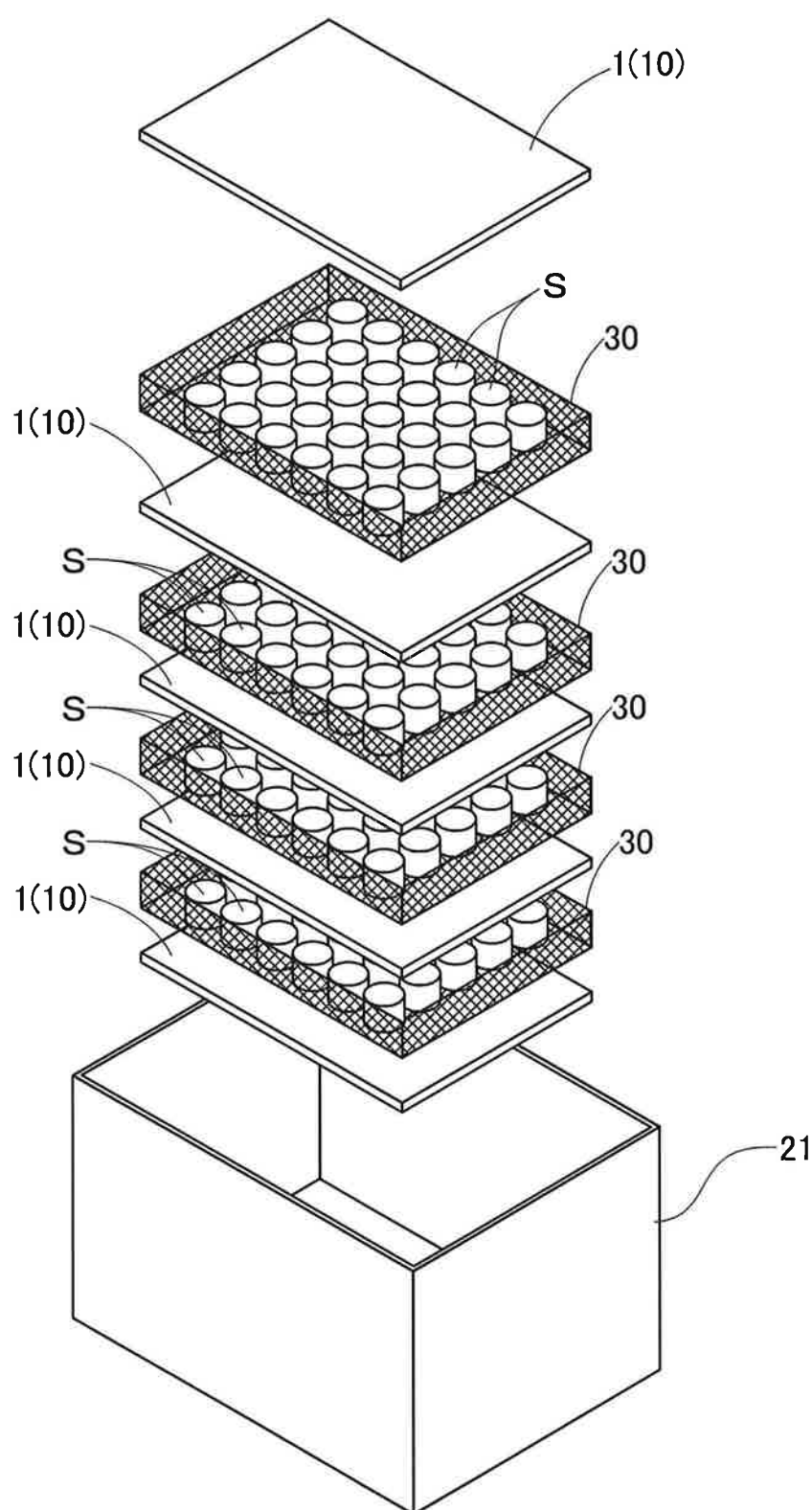
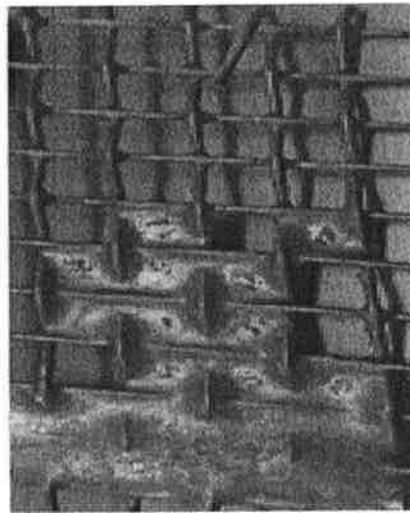


FIG.7

SAMPLE	1	2	3	4	5	6	7	8	9	COMPARATIVE EXAMPLE
MESHES (#)	2	5	8	10	20	30	40	50	60	PLATE
WIRE DIAMETER (mm)	2	1.9	1.2	0.5	0.4	0.35	0.22	0.12	0.1	—
MATERIAL	Mo	Ta	Nb	Nb	Mo	Ta	Nb	Nb	Nb	Mo
POROSITY (%) (SPOTS FREE FROM Dy)	100	60	0	0	0	0	0	0	0	0
Dy WEIGHT (g) PER 10 CM ³	1	20	40	45	55	50	41	32	26	8

FIG.8

(a)



(b)

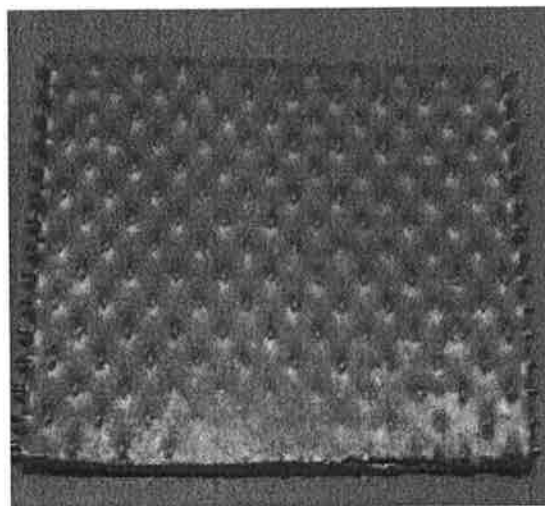


FIG.9

PULL-UP SPEED (m/s)	0.005	0.01	0.05	0.2	0.5	1
RESULT	×	○	○	○	○	×

FIG.10

	ELEMENT	SPECIFIC HEAT	SPECIFIC WEIGHT	CALORIFIC VALUE PER UNIT VOLUME (SPECIFIC HEAT X SPECIFIC WEIGHT)
	UNIT	J/kg·K	g/cm ³	J/K·m ³
COMPARATIVE EXAMPLE	C	710	2.3	1,604,600
	Si	700	2.3	1,610,000
	Mg	1020	1.7	1,734,000
EXAMPLE	Nb	265	8.6	2,271,050
	Ta	140	16.6	2,324,000
	Ti	520	4.5	2,340,000
	W	130	19.2	2,496,000
	Mo	250	10.2	2,550,000
	V	490	6.1	2,989,000
COMPARATIVE EXAMPLE	Cu	379	8.9	3,373,100