

FIG.1

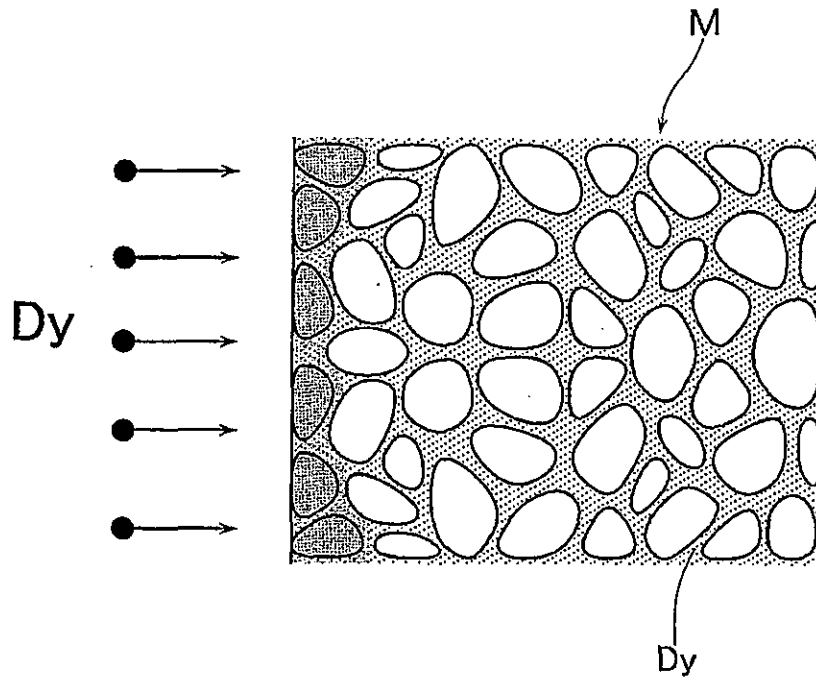


FIG.2

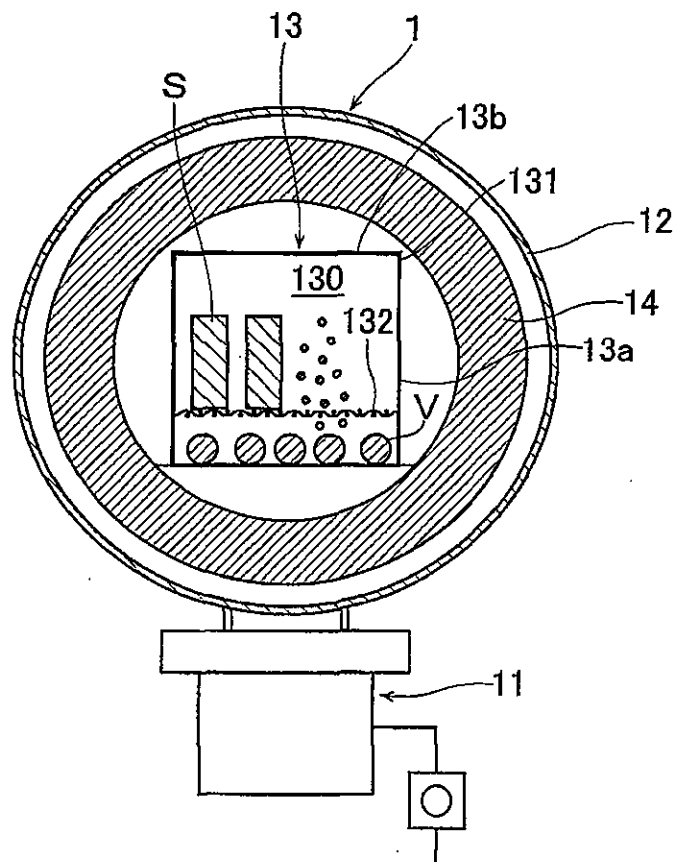
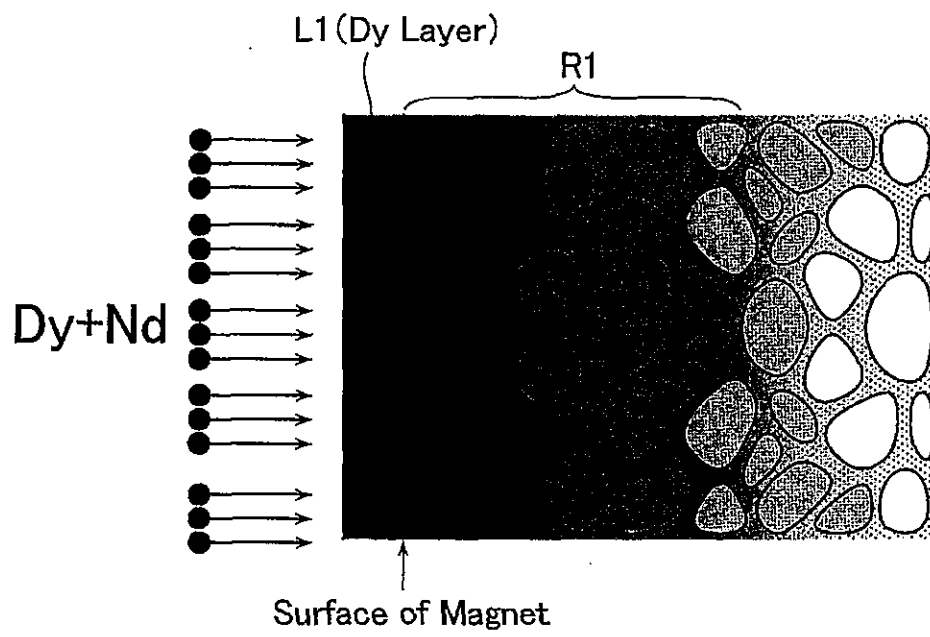


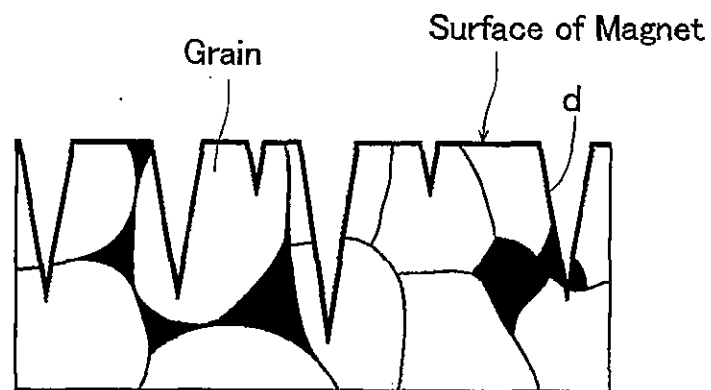
FIG.3



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FIG.4

(a)



(b)

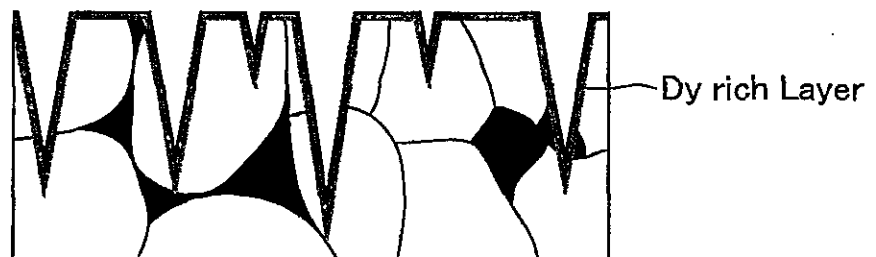


FIG.5

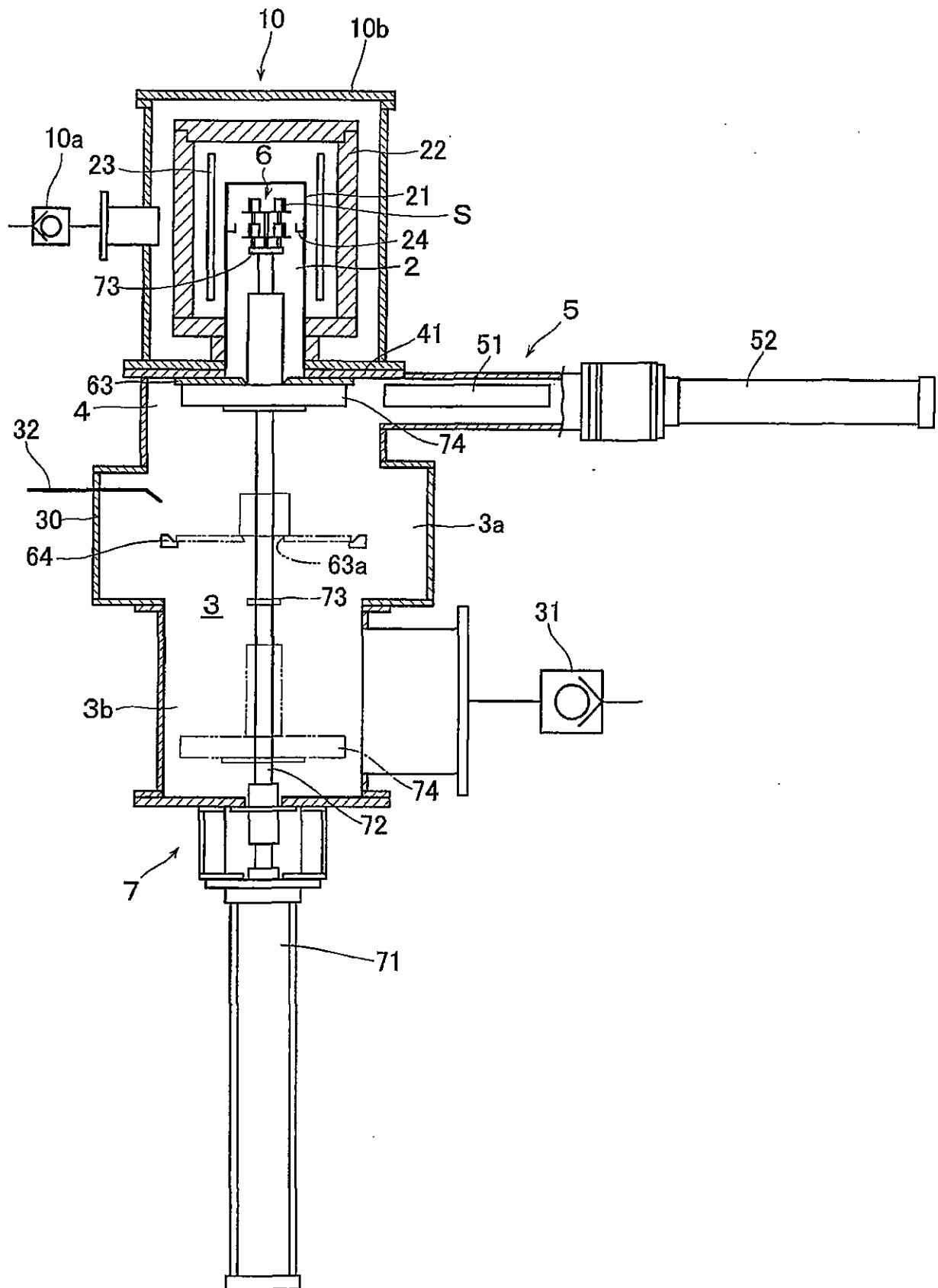


FIG.6

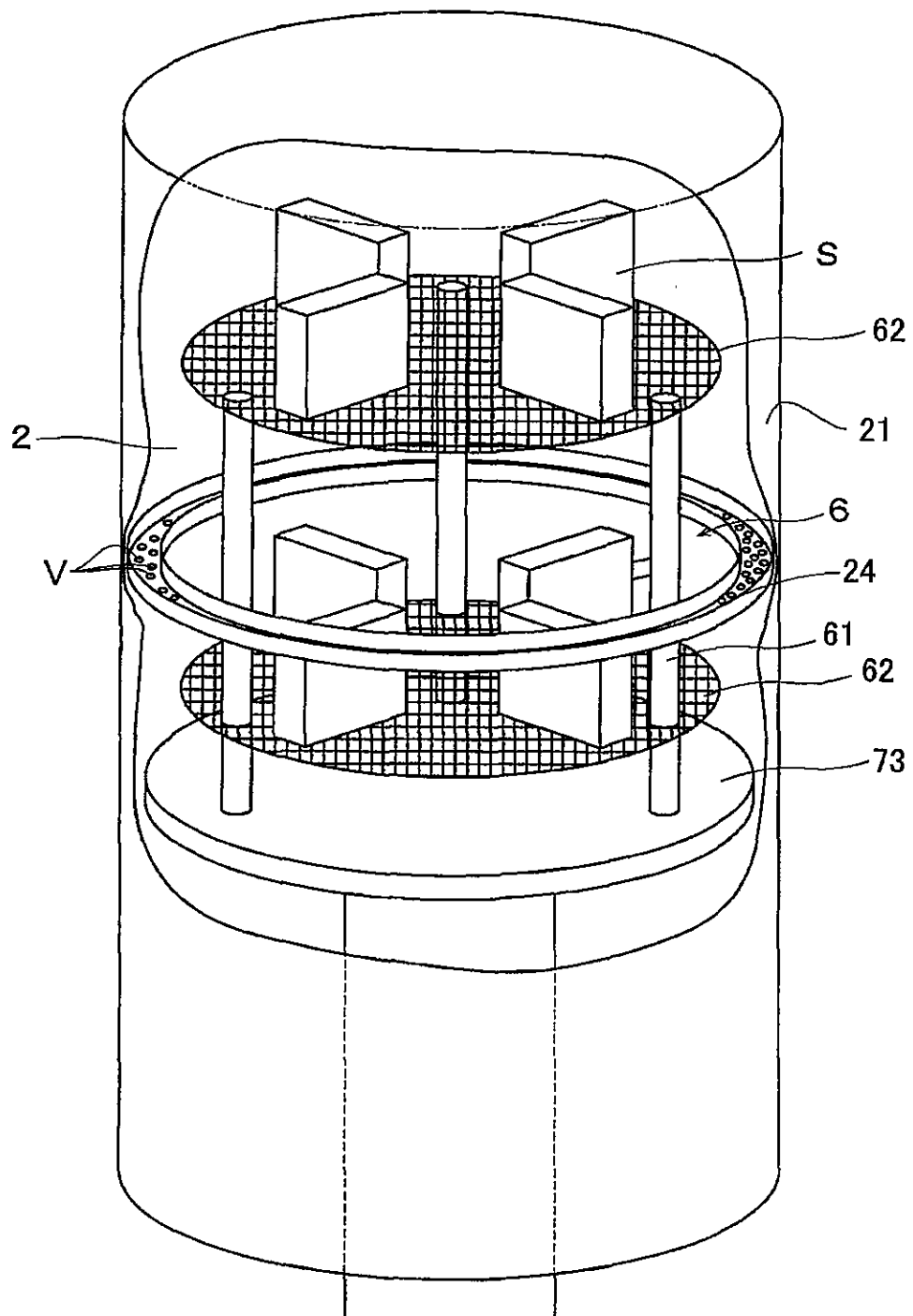


FIG.7

	Metal Evaporating Material (wt%)	Br(kG)	iHc(kOe)	(BH)max(MGOe)	(BH)max+iHc
Comparative Example 1a	Dy	14.6	19.3	51.5	70.8
Comparative Example 1b	Dy	14.6	17.1	51.6	68.7
Embodiment 1	90Dy 10Nd	14.7	28.5	52.5	81.0
	80Dy 20Nd	14.7	28.3	52.7	81.0
	70Dy 30Nd	14.7	28.0	52.6	80.6
	60Dy 40Nd	14.7	27.9	52.8	80.7
	50Dy 50Nd	14.8	27.8	53.0	80.8
	40Dy 60Nd	14.8	27.3	53.1	80.4
	30Dy 70Nd	14.8	26.9	53.1	80.0
	20Dy 80Nd	14.8	26.0	53.2	79.2
	10Dy 90Nd	14.8	25.0	53.5	78.5
	1Dy 99Nd	14.9	24.5	54.0	78.5
	50Dy 50Didymium	14.9	27.9	54.1	82.0
	50Dy 25Nd25Pr	15.0	28.1	54.9	83.0
	50Dy 50Pr	15.0	28.5	55.0	83.5

FIG.8

	Metal Evaporating Material (wt%)	Br (kG)	iHc (kOe)	(BH) _{max} (MG0e)	(BH) _{max} +iHc
Comparative Example 2a	Tb	14.6	21.4	52.1	73.5
Comparative Example 2b	Tb	14.6	16.8	51.8	68.6
Embodiment 2	99Tb 1Nd	14.8	30.0	53.6	83.6
	97Tb 3Nd	14.9	33.4	54.9	88.3
	95Tb 5Nd	15.2	35.0	56.2	91.2
	93Tb 7Nd	14.9	34.5	55.0	89.5
	90Tb 10Nd	14.9	33.1	54.9	88.0
	80Tb 20Nd	14.8	32.5	54.3	86.8
	70Tb 30Nd	14.8	31.4	54.0	85.4
	60Tb 40Nd	14.8	30.3	53.9	84.2
	50Tb 50Nd	14.8	29.2	53.8	83.0
	40Tb 60Nd	14.7	29.0	53.4	82.4
	30Tb 70Nd	14.7	29.0	53.1	82.1
	20Tb 80Nd	14.7	28.9	53.1	82.0
	10Tb 90Nd	14.7	28.5	53.0	81.5
	50Tb 50Didymium	15.1	31.2	55.3	86.5
	50Tb 25Nd25Pr	15.2	32.5	55.9	88.4
	50Tb 50Pr	15.3	33.0	56.1	89.1

FIG.9

Metal Evaporating Material 90Dy10Nd

	Element A	Mixing Ratio (wt%)	Br (kG)	iHc (kOe)	(BH) _{max} (MG0e)	(BH) _{max} +iHc
Comparative Example 3	N/A	N/A	14.0	30.1	47.9	78.0
Embodiment 3	Al	50	14.0	36.0	47.8	83.8
	Cu	50	14.0	37.1	48.0	85.1
	Ga	1	14.0	36.1	47.9	84.0
	Al+Cu	50	14.0	38.1	47.7	85.8
	Al+Ga	20	14.0	38.3	47.9	86.2
	Ga+Cu	20	14.0	38.0	47.9	85.9
	Ag	50	14.0	33.5	47.5	81.0
	B	50	14.0	33.5	48.0	81.5
	Ba	50	14.0	33.6	47.5	81.1
	Be	50	14.0	33.6	47.1	80.7
	C	50	13.9	34.1	47.3	81.5
	Ca	50	14.0	33.9	47.7	81.6
	Ce	50	14.0	33.9	47.3	81.2
	Co	50	13.9	34.2	47.6	81.9
	Cr	50	13.9	34.4	47.3	81.7
	Cs	50	14.0	33.7	47.7	81.4
	Er	50	14.0	33.6	47.6	81.2
	Eu	50	14.0	33.6	47.5	81.1
	Fe	50	14.0	34.0	47.9	81.9
	Gd	50	13.9	34.4	47.7	82.1
	Ge	50	14.0	33.7	47.2	80.9
	Hf	50	14.0	33.6	48.0	81.6
	Ho	50	14.0	33.7	47.4	81.1
	In	50	13.9	34.4	48.0	82.4
	K	50	13.9	34.2	48.1	82.3
	La	50	14.0	33.5	47.5	81.0
	Li	50	13.9	34.2	47.4	81.6
	Lu	50	14.0	33.9	47.6	81.5
	Mg	50	14.0	33.6	47.7	81.4
	Mn	50	13.9	34.0	47.9	81.9
	Mo	50	13.9	34.2	47.3	81.4
	Na	50	14.0	33.7	47.9	81.6
	Nb	50	14.0	33.7	47.9	81.6
	Ni	50	14.0	33.9	47.8	81.6
	P	50	14.0	33.8	47.9	81.8
	Pd	50	14.0	33.6	47.8	81.4
	Ru	50	14.0	33.6	48.0	81.6
	S	50	13.9	34.2	47.6	81.8
	Sb	50	13.9	34.4	47.4	81.8
	Si	50	13.9	34.4	47.1	81.5
	Sm	50	13.9	34.3	47.9	82.2
	Sn	50	13.9	34.4	47.2	81.7
	Sr	50	14.0	33.9	47.2	81.2
	Ta	50	13.9	34.5	47.4	81.9
	Ti	50	14.0	33.9	47.7	81.6
	Tm	50	13.9	34.0	47.7	81.7
	V	50	14.0	34.0	47.8	81.8
	W	50	13.9	34.3	47.5	81.9
	Y	50	14.0	33.7	47.9	81.5
	Yb	50	14.0	33.9	47.5	81.4
	Zn	50	14.0	34.0	47.8	81.8
	Zr	50	14.0	33.8	47.7	81.6

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FIG.10

Metal Evaporating Material 90Tb10Nd

	Element A	Mixing Ratio (wt%)	Br (kG)	iHc (kOe)	(BH) _{max} (MG0e)	(BH) _{max} +iHc
Comparative Example 4	N/A	N/A	14.2	35.3	49.1	84.4
Embodiment 4	Al	1	14.3	40.3	50.1	90.4
	Cu	1	14.6	39.6	51.8	91.4
	Ga	0.1	14.4	39.1	50.5	89.6
	Al+Cu	1	14.5	42.4	51.2	93.6
	Al+Ga	0.5	14.3	41.6	50.9	92.5
	Ga+Cu	0.5	14.5	41.1	51.0	92.1
	Ag	1	14.2	37.8	49.7	87.6
	B	1	14.2	37.7	50.4	88.1
	Ba	1	14.3	37.2	49.9	87.1
	Be	1	14.2	38.0	50.3	88.2
	C	1	14.3	37.6	49.7	87.3
	Ca	1	14.2	38.1	49.8	87.9
	Ce	1	14.2	37.8	50.1	87.9
	Co	1	14.2	37.9	49.7	87.5
	Cr	1	14.2	38.0	49.5	87.5
	Cs	1	14.2	38.2	49.4	87.6
	Er	1	14.2	38.1	50.2	88.2
	Eu	1	14.2	38.0	50.0	88.0
	Fe	1	14.3	37.6	50.0	87.6
	Gd	1	14.3	37.3	49.8	87.2
	Ge	1	14.3	37.6	50.1	87.7
	Hf	1	14.3	37.5	50.1	87.6
	Ho	1	14.2	37.9	50.3	88.3
	In	1	14.2	38.1	50.3	88.3
	K	1	14.3	37.7	49.9	87.6
	La	1	14.3	37.6	49.7	87.3
	Li	1	14.3	37.6	49.6	87.2
	Lu	1	14.2	37.8	49.7	87.5
	Mg	1	14.3	37.3	50.2	87.5
	Mn	1	14.3	37.2	50.4	87.6
	Mo	1	14.2	37.8	50.3	88.2
	Na	1	14.2	38.1	49.6	87.7
	Nb	1	14.2	38.1	50.2	88.3
	Ni	1	14.2	38.1	49.7	87.8
	P	1	14.3	37.7	49.7	87.4
	Pd	1	14.2	37.8	50.0	87.8
	Ru	1	14.3	37.4	50.4	87.8
	S	1	14.2	37.9	50.2	88.1
	Sb	1	14.3	37.3	50.4	87.7
	Si	1	14.2	38.2	49.6	87.8
	Sm	1	14.2	38.0	49.9	87.9
	Sn	1	14.2	37.7	50.3	88.1
	Sr	1	14.3	37.6	49.6	87.2
	Ta	1	14.2	37.9	49.9	87.7
	Ti	1	14.3	37.5	50.1	87.6
	Tm	1	14.3	37.6	50.4	88.0
	V	1	14.2	38.2	49.8	88.0
	W	1	14.3	37.6	49.9	87.6
	Y	1	14.2	38.0	50.1	88.1
	Yb	1	14.3	37.3	50.0	87.4
	Zn	1	14.3	37.2	49.8	87.0
	Zr	1	14.3	37.4	50.3	87.8

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FIG.11

Metal Evaporating Material Dy+A Element

	Element A	Mixing Ratio (wt%)	Br(kG)	iHc(kOe)	(BH)max(MGOe)	(BH)max+iHc
Comparative Example 5	N/A	N/A	14.0	22.3	47.9	70.2
Embodiment 5	Al	50	14.0	27.5	47.5	75.0
	Cu	50	14.0	27.1	47.8	74.9
	Ga	1	14.0	27.3	47.7	75.0
	Al+Cu	50	14.0	29.1	47.4	76.5
	Al+Ga	20	14.0	29.5	47.4	76.9
	Ga+Cu	20	14.0	29.2	47.6	76.8
	Ag	50	14.0	25.3	47.2	72.5
	B	50	13.9	25.5	47.5	73.0
	Ba	50	13.9	25.5	47.2	72.7
	Be	50	13.9	25.5	47.4	73.0
	C	50	13.9	25.6	47.4	73.0
	Ca	50	14.0	25.1	47.5	72.5
	Ce	50	14.0	25.0	47.7	72.7
	Co	50	13.9	25.8	47.7	73.6
	Cr	50	14.0	25.0	47.1	72.1
	Cs	50	14.0	25.0	47.9	73.0
	Er	50	13.9	25.5	47.1	72.6
	Eu	50	14.0	25.3	47.1	72.5
	Fe	50	13.9	25.8	47.9	73.7
	Gd	50	13.9	25.8	47.6	73.4
	Ge	50	14.0	25.4	47.3	72.6
	Hf	50	13.9	25.7	47.5	73.2
	Ho	50	13.9	25.8	47.0	72.9
	In	50	14.0	25.1	47.5	72.6
	K	50	13.9	25.5	48.0	73.5
	La	50	13.9	25.8	47.6	73.4
	Li	50	13.9	25.7	47.2	72.8
	Lu	50	13.9	25.8	48.0	73.8
	Mg	50	13.9	25.5	47.2	72.7
	Mn	50	13.9	25.4	47.4	72.8
	Mo	50	14.0	25.3	47.3	72.6
	Na	50	13.9	25.5	47.1	72.6
	Nb	50	14.0	25.2	47.8	73.1
	Ni	50	13.9	25.5	47.1	72.6
	P	50	13.9	25.7	47.6	73.2
	Pd	50	14.0	25.4	47.1	72.5
	Ru	50	14.0	25.2	47.7	72.9
	S	50	13.9	25.8	47.4	73.2
	Sb	50	13.9	25.8	47.1	72.8
	Si	50	14.0	25.2	47.6	72.9
	Sm	50	13.9	25.8	47.5	73.2
	Sn	50	14.0	24.9	47.5	72.4
	Sr	50	13.9	25.6	47.7	73.3
	Ta	50	13.9	25.6	47.8	73.4
	Ti	50	13.9	25.8	47.3	73.0
	Tm	50	14.0	25.2	47.4	72.6
	V	50	14.0	24.9	47.3	72.2
	W	50	14.0	25.3	47.8	73.1
	Y	50	14.0	25.2	47.9	73.1
	Yb	50	14.0	25.3	47.7	73.1
	Zn	50	13.9	25.7	47.5	73.2
	Zr	50	13.9	25.5	47.0	72.5

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FIG.12

Metal Evaporating Material Tb+A Element

	Element A	Mixing Ratio (wt%)	Br(kG)	iHo(k0e)	(BH)max(MG0e)	(BH)max+iHo
Comparative Example 6	N/A	N/A	14.2	24.2	49.1	73.3
Embodiment 6	Al	1	14.3	30.2	49.8	80.0
	Cu	1	14.3	29.9	50.0	79.9
	Ga	0.1	14.3	29.5	49.7	79.2
	Al+Cu	1	14.3	32.3	50.0	82.3
	Al+Ga	0.5	14.3	32.5	49.9	82.4
	Ga+Cu	0.5	14.4	32.0	50.2	82.2
	Ag	1	14.3	27.4	49.5	76.9
	B	1	14.3	25.0	49.3	74.3
	Ba	1	14.2	25.8	49.9	75.6
	Be	1	14.3	25.3	49.8	75.2
	C	1	14.3	25.5	49.3	74.8
	Ca	1	14.3	25.2	49.9	75.1
	Ce	1	14.2	25.6	49.2	74.8
	Co	1	14.2	25.1	49.2	74.3
	Cr	1	14.3	25.4	49.1	74.5
	Cs	1	14.2	25.1	49.2	74.3
	Er	1	14.2	25.2	49.1	74.4
	Eu	1	14.3	25.1	49.3	74.4
	Fe	1	14.2	25.6	49.3	74.9
	Gd	1	14.3	25.3	49.5	74.8
	Ge	1	14.2	25.2	49.8	75.1
	Hf	1	14.3	25.3	49.5	74.8
	Ho	1	14.3	25.1	49.5	74.6
	In	1	14.3	25.5	49.7	75.1
	K	1	14.2	25.6	49.4	75.0
	La	1	14.2	25.3	49.9	75.2
	Li	1	14.2	25.4	49.7	75.1
	Lu	1	14.3	25.3	49.9	75.2
	Mg	1	14.2	25.5	49.9	75.4
	Mn	1	14.3	25.7	49.5	75.2
	Mo	1	14.3	25.6	49.4	75.0
	Na	1	14.3	25.4	49.5	74.9
	Nb	1	14.2	25.3	49.7	75.0
	Ni	1	14.2	25.0	49.1	74.1
	P	1	14.3	25.8	49.1	74.9
	Pd	1	14.3	25.4	49.9	75.3
	Ru	1	14.3	25.9	49.8	75.7
	S	1	14.3	24.9	49.3	74.2
	Sb	1	14.2	25.3	49.1	74.5
	Si	1	14.3	25.1	49.6	74.7
	Sm	1	14.3	25.4	49.0	74.4
	Sn	1	14.2	25.4	49.7	75.1
	Sr	1	14.3	25.8	49.2	74.9
	Ta	1	14.2	25.2	49.4	74.6
	Ti	1	14.3	25.1	49.2	74.3
	Tm	1	14.2	25.6	49.3	74.9
	V	1	14.2	25.4	49.1	74.6
	W	1	14.2	25.8	49.6	75.4
	Y	1	14.3	25.5	49.8	75.3
	Yb	1	14.2	25.7	49.4	75.1
	Zn	1	14.2	25.1	49.3	74.4
	Zr	1	14.3	25.7	49.8	75.5