

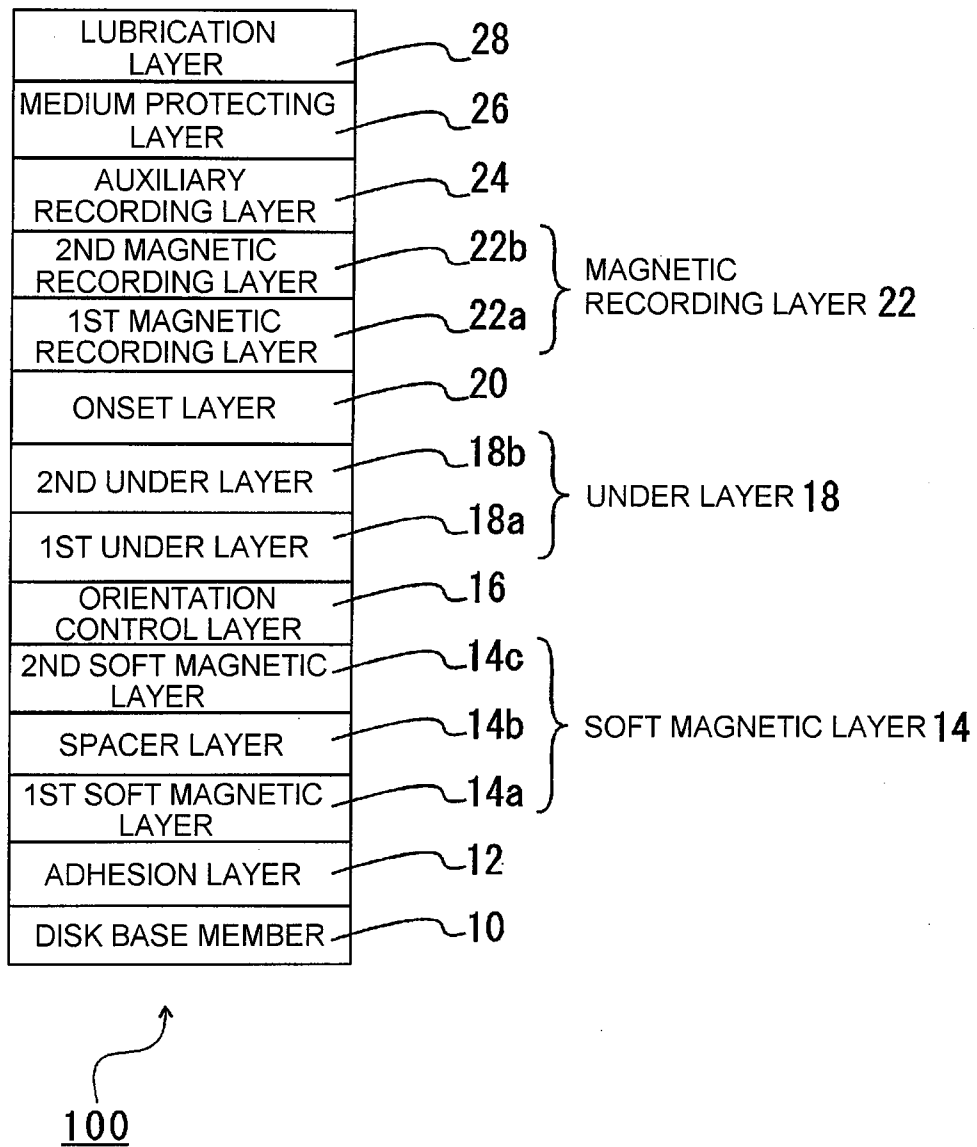


FIG. 1

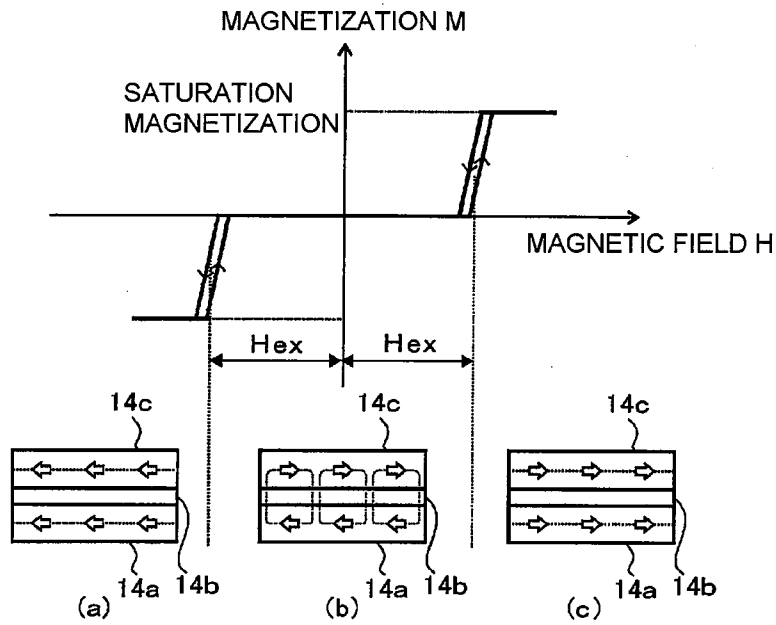


FIG. 2

[図3]

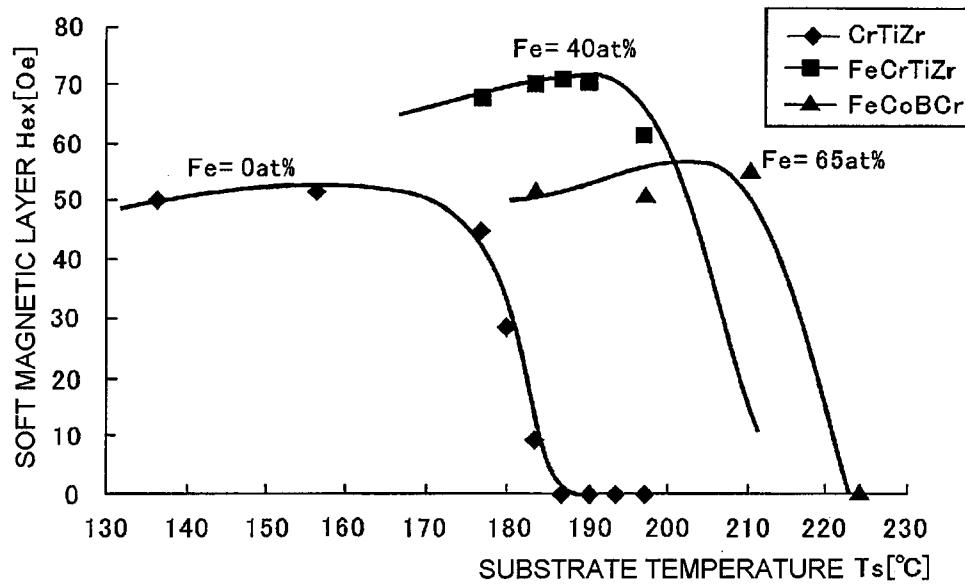


FIG. 3

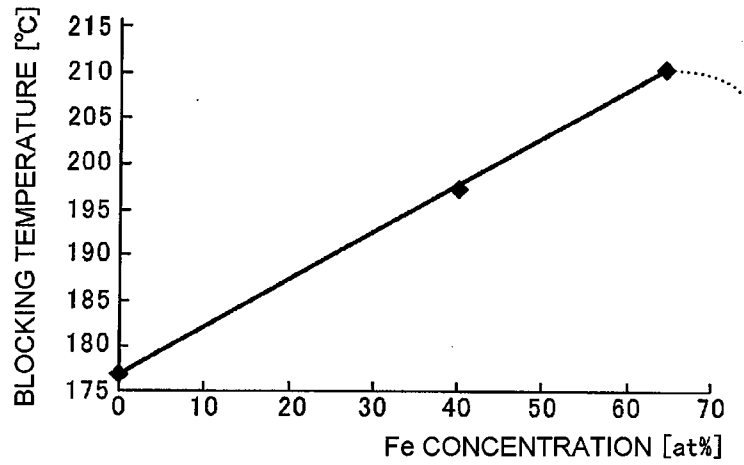


FIG. 4

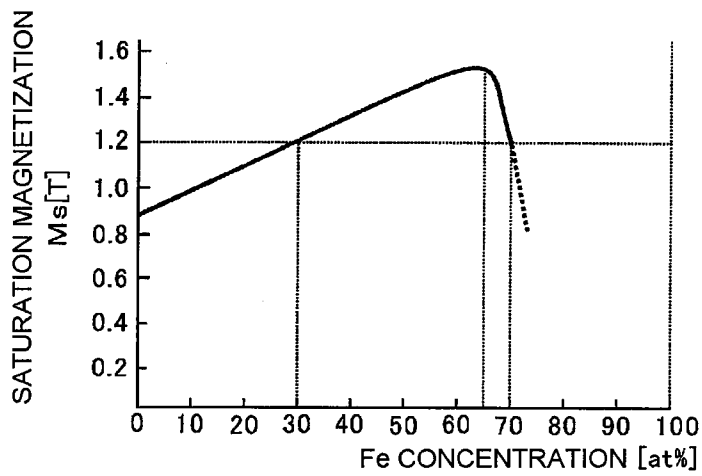


FIG. 5

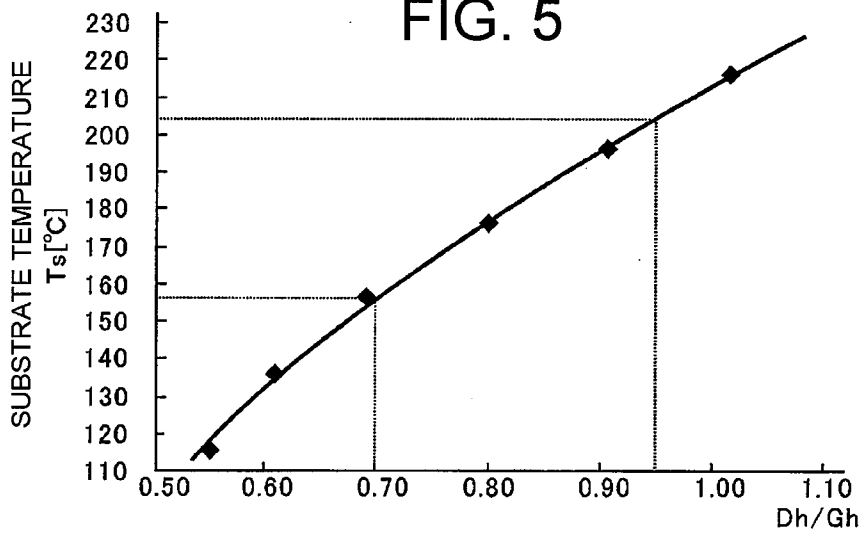


FIG. 6

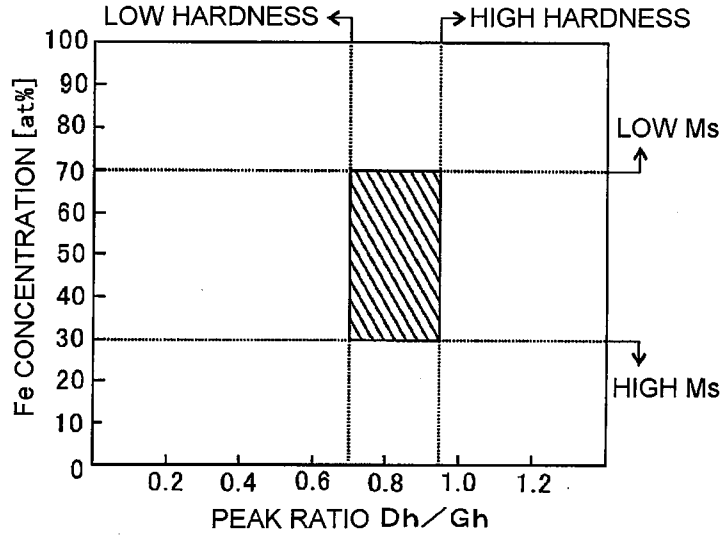


FIG. 7

ITEM	N/C	Dh/Gh	SURST-RATE TEMPERATURE 110~210°C	SURFACE TREATMENT 100~350sec	MEDIUM PROTECTING LAYER THICKNESS ~3nm	LUL DURABILITY TEST	PIN-ON-DISK TEST	HIGH FLY WRITE TEST
CONDITION	0.05~0.150	0.7~0.95	110~210°C	100~350sec	~3nm	> 10 ⁶ times	300~	No error
EXAMPLE 1	0.107	0.80	180	250	3.0	> 10 ⁶ times	501	No error
EXAMPLE 2	0.101	0.79	135	250	3.0	> 10 ⁶ times	533	No error
EXAMPLE 3	0.095	0.77	110	250	3.0	> 10 ⁶ times	563	No error
EXAMPLE 4	0.112	0.84	185	250	3.0	> 10 ⁶ times	476	No error
EXAMPLE 5	0.120	0.86	210	250	3.0	> 10 ⁶ times	448	No error
EXAMPLE 6	0.150	0.85	210	350	3.0	> 10 ⁶ times	322	No error
EXAMPLE 7	0.092	0.79	160	200	3.0	> 10 ⁶ times	569	No error
EXAMPLE 8	0.073	0.72	160	150	3.0	> 10 ⁶ times	624	No error
EXAMPLE 9	0.122	0.85	180	300	3.0	> 10 ⁶ times	445	No error
EXAMPLE 10	0.134	0.90	160	350	3.0	> 10 ⁶ times	392	No error
EXAMPLE 11	0.050	0.70	110	100	3.0	> 10 ⁶ times	684	No error
EXAMPLE 12	0.115	0.87	110	350	3.0	> 10 ⁶ times	450	No error
EXAMPLE 13	0.058	0.72	210	100	3.0	> 10 ⁶ times	649	No error
COMPARATIVE EXAMPLE 1	0.045	0.65	110	90	3.0	> 10 ⁶ times	703	No error
COMPARATIVE EXAMPLE 2	0.155	0.88	110	360	3.0	Breakdown at 3x10 ⁵ times	298	Error after 12 hrs
COMPARATIVE EXAMPLE 3	0.062	0.67	210	90	3.0	> 10 ⁶ times	678	Error after 24 hrs
COMPARATIVE EXAMPLE 4	0.162	1.02	210	360	3.0	Breakdown at 1x10 ⁵ times	235	No error
COMPARATIVE EXAMPLE 5	0.048	0.65	100	100	3.0	> 10 ⁶ times	685	Error after 12 hrs
COMPARATIVE EXAMPLE 6	0.049	0.69	220	100	3.0	> 10 ⁶ times	688	Error after 24 hrs
COMPARATIVE EXAMPLE 7	0.151	0.82	100	350	3.0	Breakdown at 5x10 ⁵ times	352	Error after 364 hrs
COMPARATIVE EXAMPLE 8	0.153	0.99	220	350	3.0	Breakdown at 2x10 ⁵ times	277	

FIG. 8

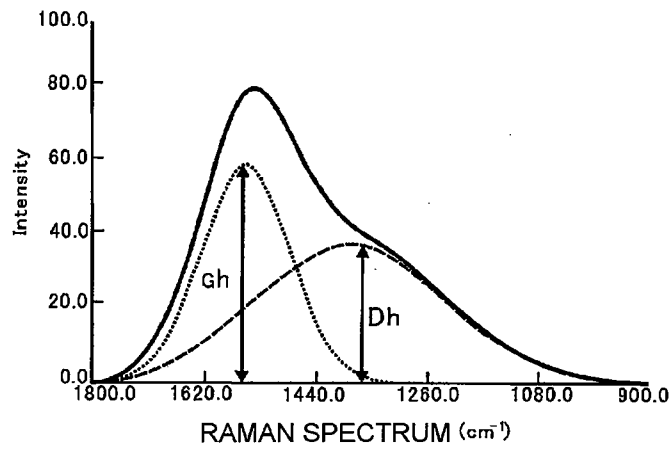


FIG. 9

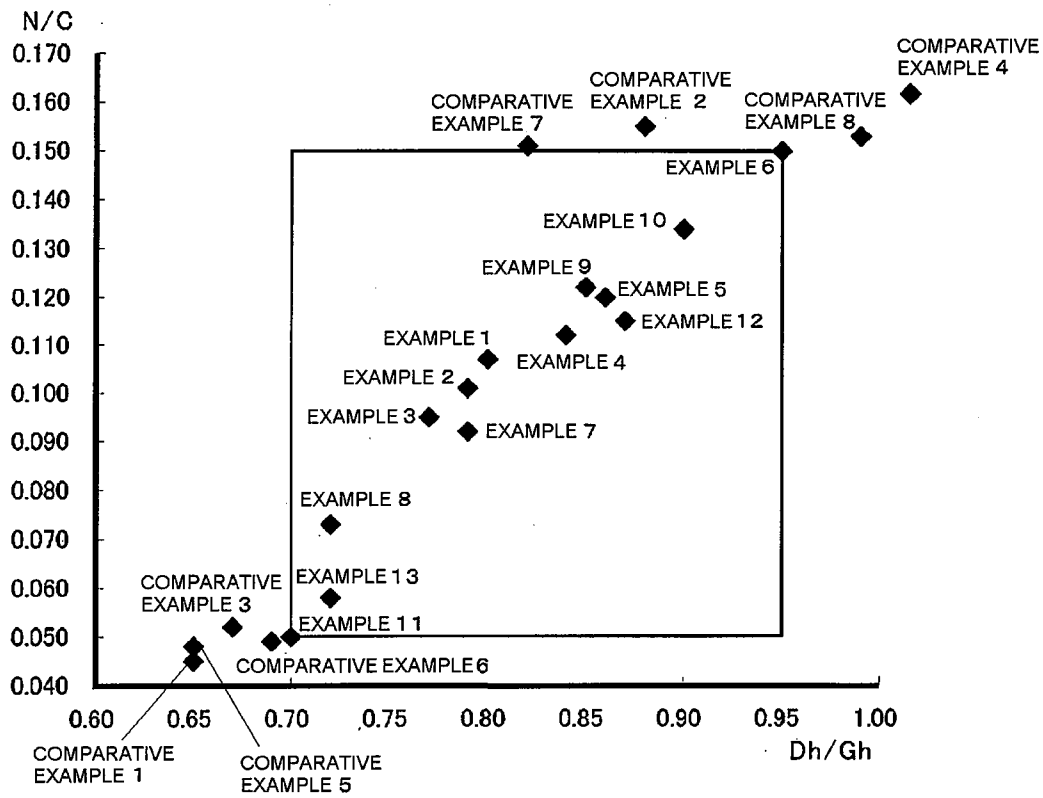


FIG. 10