

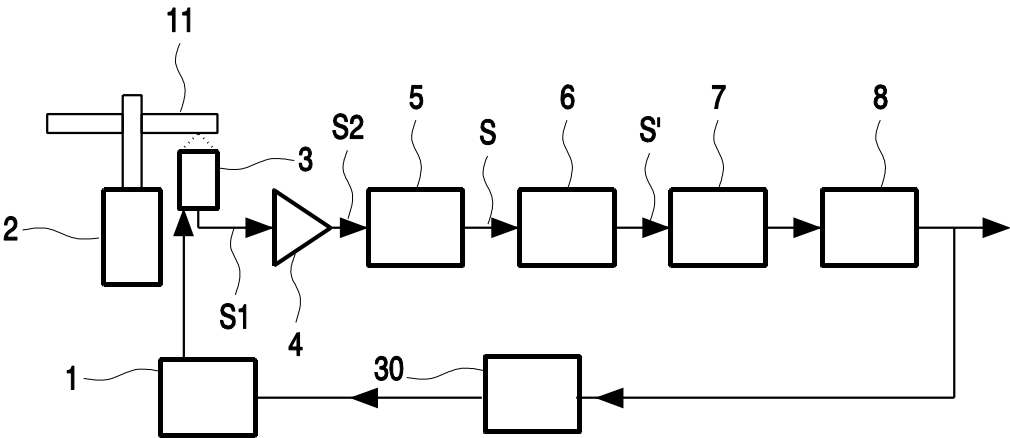


FIG. 1

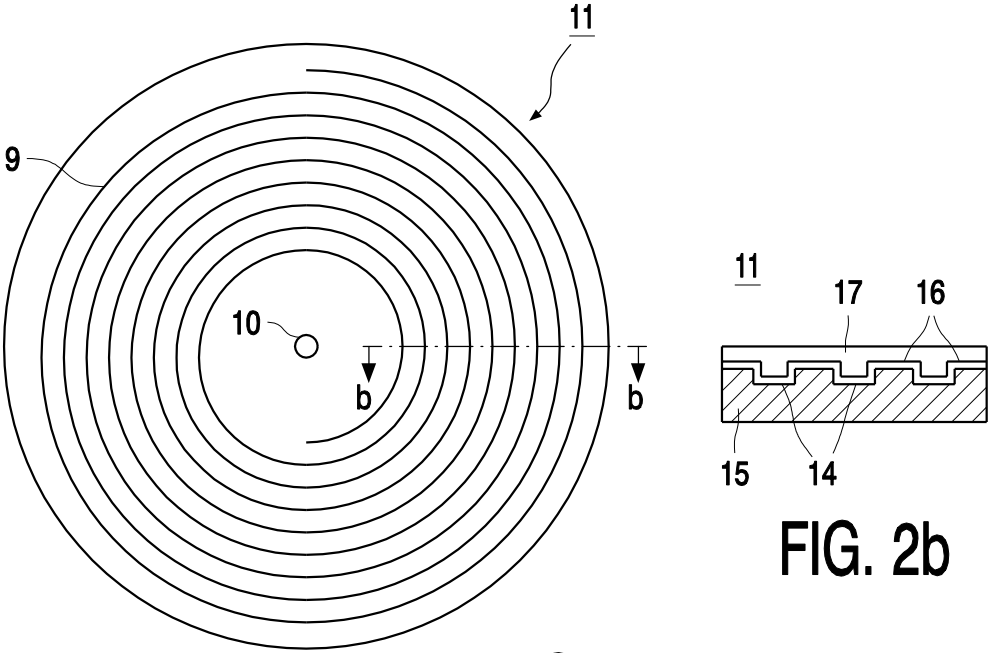


FIG. 2b

FIG. 2a

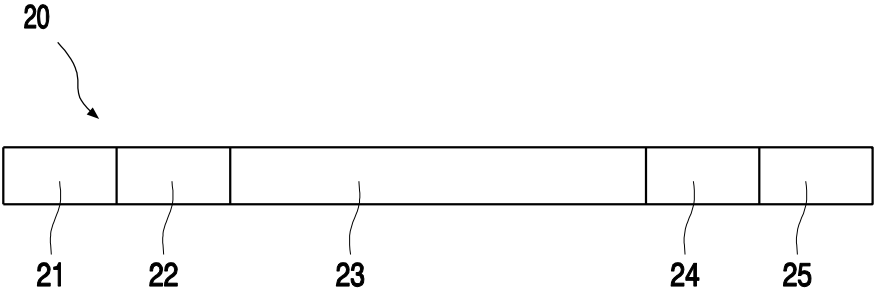


FIG. 3

Byte number	Content	Number of bytes
0	Disc Category and Version Number: indicates the version of the disc and identifies the definitions of the data in bytes 0 to 63 (important for backwards compatibility). Drives not acquainted with the specific Version Number of a disc should not try to record on that disc using the information in bytes 0 to 63.	1
1	Disc size	1
2	Disc structure	1
3	Recording density	1
4 to 15	Data Zone allocation	12
16	Set to (00)	1
17	Reserved – All (00)	1
18	Extended Information indicators	1
19 to 26	Disc Manufacturer ID	8
27 to 29	Media type ID	3
30	Product revision number	1
31	number of Physical format information bytes in use in ADIP up to byte 63 (according to first generation: set to 56)	1
32	Reference recording velocity	1
33	Maximum recording velocity	1
34	Wavelength λ_{IND}	1
35	normalized Write power dependency on Wavelength $(dP/d\lambda)/(P_{IND}/\lambda_{IND})$	1
36	Maximum read power at reference velocity	1
37	P_{IND} at reference velocity	1
38	β_{target} at reference velocity	1
39	Maximum read power at maximum velocity	1
40	P_{IND} at maximum velocity	1
41	β_{target} at maximum velocity	1
42	$T_{top} (\geq 4)$ first pulse duration for cm ≥ 4 at reference velocity	1
43	$T_{top} (=3)$ first pulse duration for cm =3 at reference velocity	1
44	T_{mp} multi pulse duration at reference velocity	1
45	T_{lp} last pulse duration at reference velocity	1
46	$dT_{top} (\geq 4)$ first pulse lead time for cm ≥ 4 at reference velocity	1
47	$dT_{top} (=3)$ first pulse lead time for cm =3 at reference velocity	1
48	dT_{le} 1 st pulse leading edge correction for ps =3 at reference velocity	1
49	$T_{top} (\geq 4)$ first pulse duration for cm ≥ 4 at maximum velocity	1
50	$T_{top} (=3)$ first pulse duration for cm =3 at maximum velocity	1
51	T_{mp} multi pulse duration at maximum velocity	1
52	T_{lp} last pulse duration at maximum velocity	1
53	$dT_{top} (\geq 4)$ first pulse lead time for cm ≥ 4 at maximum velocity	1
54	$dT_{top} (=3)$ first pulse lead time for cm =3 at maximum velocity	1
55	dT_{le} 1 st pulse leading edge correction for ps =3 at maximum velocity	1
56 to 63	Reserved – All (00)	8
64 to 95	Extended Information block 0	32
96 to 127	Extended Information block 1	32
128 to 159	Extended Information block 2	32
160 to 191	Extended Information block 3	32
192 to 223	Extended Information block 4	32
224 to 247	Extended Information block 5	24
248 to 255	Reserved for use in the Control Data Zone– All (00)	8

FIG.4

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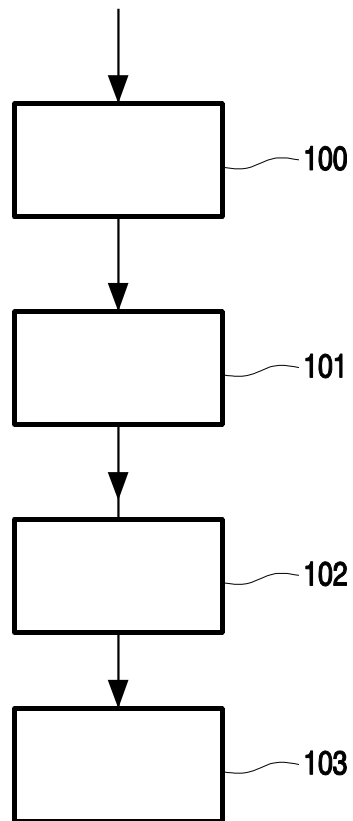


FIG. 5