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[Continued on next page]

(54) Title: DEVICE, RECORD CARRIER AND METHOD FOR RECORDING INFORMATION

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_{ND}	1
35	normalized Write power dependency on Wavelength ($dP/d\lambda \cdot (P_{IND}/I_{IND})$)	1
36	Maximum read power at reference velocity	1
37	P_{IND} at reference velocity	1
38	Δ_{IND} at reference velocity	1
39	Maximum read power at maximum velocity	1
40	P_{IND} at maximum velocity	1
41	Δ_{IND} at maximum velocity	1
42	$T_{BP}^{(2,4)}$ first pulse duration for cm ^{2,4} at reference velocity	1
43	$T_{BP}^{(2,3)}$ first pulse duration for cm ^{2,3} at reference velocity	1
44	T_{BP} multi pulse duration at reference velocity	1
45	T_{BP} last pulse duration at reference velocity	1
46	$dT_{BP}^{(2,4)}$ first pulse lead time for cm ^{2,4} at reference velocity	1
47	$dT_{BP}^{(2,3)}$ first pulse lead time for cm ^{2,3} at reference velocity	1
48	dT_{BP} 1 st pulse leading edge correction for ps ^{2,3} at reference velocity	1
49	$T_{BP}^{(2,4)}$ first pulse duration for cm ^{2,4} at maximum velocity	1
50	$T_{BP}^{(2,3)}$ first pulse duration for cm ^{2,3} at maximum velocity	1
51	T_{BP} multi pulse duration at maximum velocity	1
52	T_{BP} last pulse duration at maximum velocity	1
53	$dT_{BP}^{(2,4)}$ first pulse lead time for cm ^{2,4} at maximum velocity	1
54	$dT_{BP}^{(2,3)}$ first pulse lead time for cm ^{2,3} at maximum velocity	1
55	dT_{BP} 1 st pulse leading edge correction for ps ^{2,3} 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

(57) Abstract: A device, record carrier (11) and method for recording information on a track (9) of the record carrier (11) is described. The record carrier (11) contains a disc information area with information about the record carrier (11), such as for example a write strategy for that record carrier (11). The device has disc information reading means (35) for reading the disc information area. The disc information area further contains extended information blocks. The extended information block have a block version number and additional parameters. The block version number defines how the additional parameters are to be interpreted. In this manner a more flexible backwards compatibility system is realized. Drives which are able to interpret the additional parameters of an extended information block can chose to use the additional parameters in that block. Older drives use other blocks or fall back to the first basic part of the disc information area.



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