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[Continued on next page]

(54) Title: MCS TABLE ADAPTATION FOR 256-QAM

MCS Index	Modulation Order	TBS Index
0	2	0
1	2	1
2	8	26
3	8	27
4	8	28
5	8	29
6	2	6
7	2	7
8	2	8
9	2	9
10	4	9
11	4	10
12	4	11
13	4	12
14	4	13
15	4	14
16	4	15
17	4	15
18	4	16
19	4	17
20	4	18
21	4	19
22	4	20
23	6	21
24	6	22
25	6	23
26	6	24
27	6	25
28	6	26
29	2	reserved
30	4	
31	6	

Fig. 13A

MCS Index	Modulation Order	TBS Index
0	2	0
1	2	1
2	8	26
3	8	27
4	8	28
5	8	29
6	8	30
7	8	31
8	8	32
9	8	33
10	8	34
11	8	35
12	8	36
13	8	37
14	8	38
15	8	39
16	8	40
17	8	41
18	4	16
19	4	17
20	4	18
21	4	19
22	4	20
23	6	21
24	6	22
25	6	23
26	6	24
27	6	25
28	6	26
29	2	Reserved
30	4	
31	6	

Fig. 13B

(57) Abstract: The present invention relates to adaptive modulation and coding scheme selection and signaling in a communication system. In particular, a modulation and coding scheme to be used for transmission of a data is selected from a set of predetermined modulation and coding schemes. The predetermination of the set is performed by selecting the set from a plurality of predefined sets. The sets have the same size, so that a modulation and coding selection indicator signaled to select the modulation and coding scheme may be advantageously applied to any of the selected sets. Moreover, a second set includes schemes with a modulation not covered by the schemes of a first set, and which is of a higher order than any modulation in the first set.



TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

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