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(54) **COMMUNICATION METHOD, BASE STATION AND USER EQUIPMENT USING A SET OF LEGACY OR AGGRESSIVE CQI TABLE AND LEGACY OR AGGRESSIVE MCS TABLE**

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See application file for complete search history.

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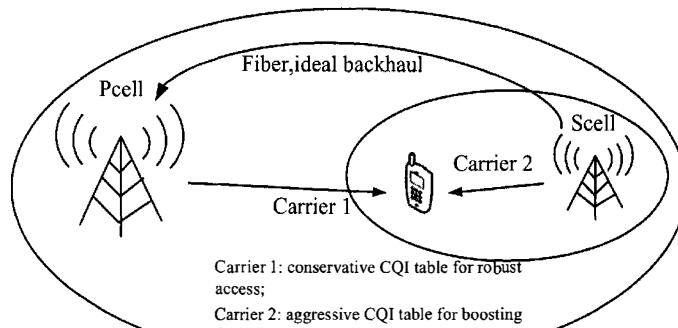
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(57) **ABSTRACT**

The present disclosure provides a communication method, base station and user equipment for configuring a parameter table in a wireless communication system including a base station and a user equipment, the communication method comprising: defining at both the base station and the user equipment a parameter table which includes whole entries of a legacy parameter table and extended entries; and transmitting from the base station to the user equipment a bitmap indication which indicates a sub-table selected from the parameter table, wherein the number of the entries in the sub-table is the same as in the legacy parameter table.

17 Claims, 13 Drawing Sheets



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CQI index	modulation	code rate x 1024	efficiency
0	out of range		
1	QPSK	78	0.1523
2	QPSK	120	0.2344
3	QPSK	193	0.377
4	QPSK	308	0.6016
5	QPSK	449	0.877
6	QPSK	602	1.1758
7	16QAM	378	1.4766
8	16QAM	490	1.9141
9	16QAM	616	2.4063
10	64QAM	466	2.7305
11	64QAM	567	3.3223
12	64QAM	666	3.9023
13	64QAM	772	4.5234
14	64QAM	873	5.1152
15	64QAM	948	5.5547

Fig.1
(Prior Art)

Subband differential CQI value	Offset level
0	0
1	1
2	≥2
3	≤-1

Fig.2
(Prior Art)

MCS Index I_{MCS}	Modulation Q_m Order	TBS Index I_{TBS}
0	2	0
1	2	1
2	2	2
3	2	3
4	2	4
5	2	5
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	6	15
18	6	16
19	6	17
20	6	18
21	6	19
22	6	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.3
(Prior Art)

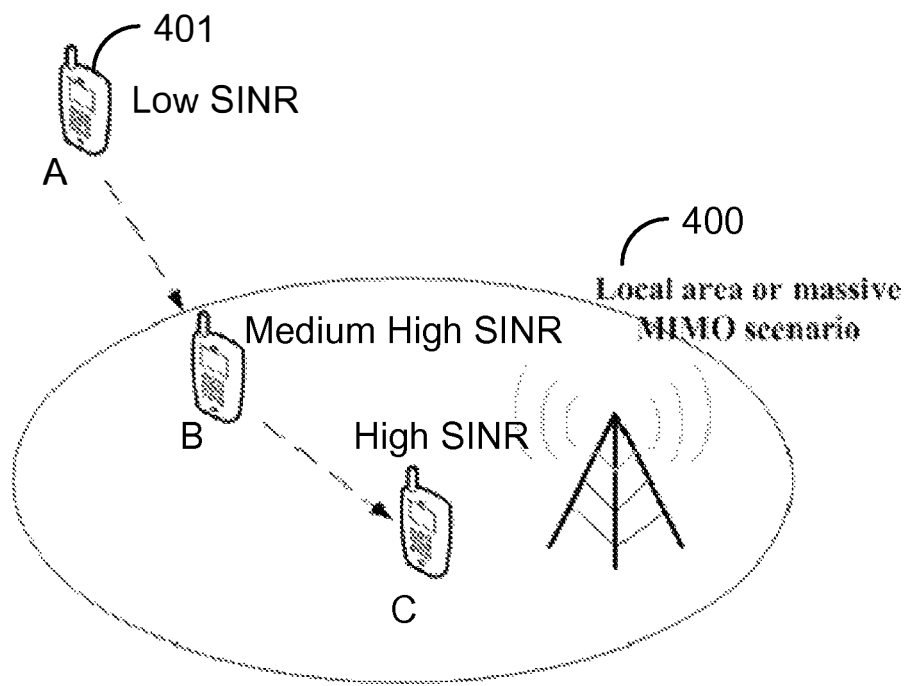


Fig.4

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