

# Exhibit 7



(12) **United States Patent**  
**Nishio et al.**

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(45) **Date of Patent:** **\*Aug. 28, 2012**

(54) **RADIO COMMUNICATION APPARATUS AND  
RADIO COMMUNICATION METHOD**

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(73) Assignee: **Panasonic Corporation**, Osaka (JP)

(\*) Notice: Subject to any disclaimer, the term of this  
patent is extended or adjusted under 35  
U.S.C. 154(b) by 160 days.

This patent is subject to a terminal dis-  
claimer.

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**H04W 4/00** (2009.01)

(52) **U.S. Cl.** ..... **370/332**; 455/452.1; 455/452.2;  
455/453; 370/329; 370/330; 370/331

(58) **Field of Classification Search** ..... 455/522,  
455/452, 453, 512, 513

See application file for complete search history.

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*Primary Examiner* — Lester Kincaid

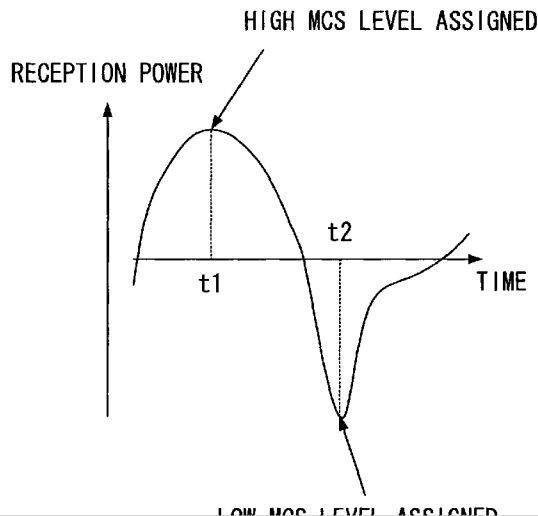
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(57) **ABSTRACT**

A CIR measuring section **307** measures CIRs of all blocks received and a block selection section **308** makes a threshold decision based on the CIR measurement result and threshold information according to an amount of traffic in the own cell and neighboring cells. As a result of the threshold decision, blocks whose CIRs exceed the threshold are regarded as usable blocks. A CIR averaging section **309** averages the CIRs of the usable blocks and a CQI generation section **310** generates a CQI based on the CIR average value. The CQI generated and selected block numbers are reported to a base station apparatus. This allows the throughput of the own cell and neighboring cells to be improved.

**2 Claims, 20 Drawing Sheets**



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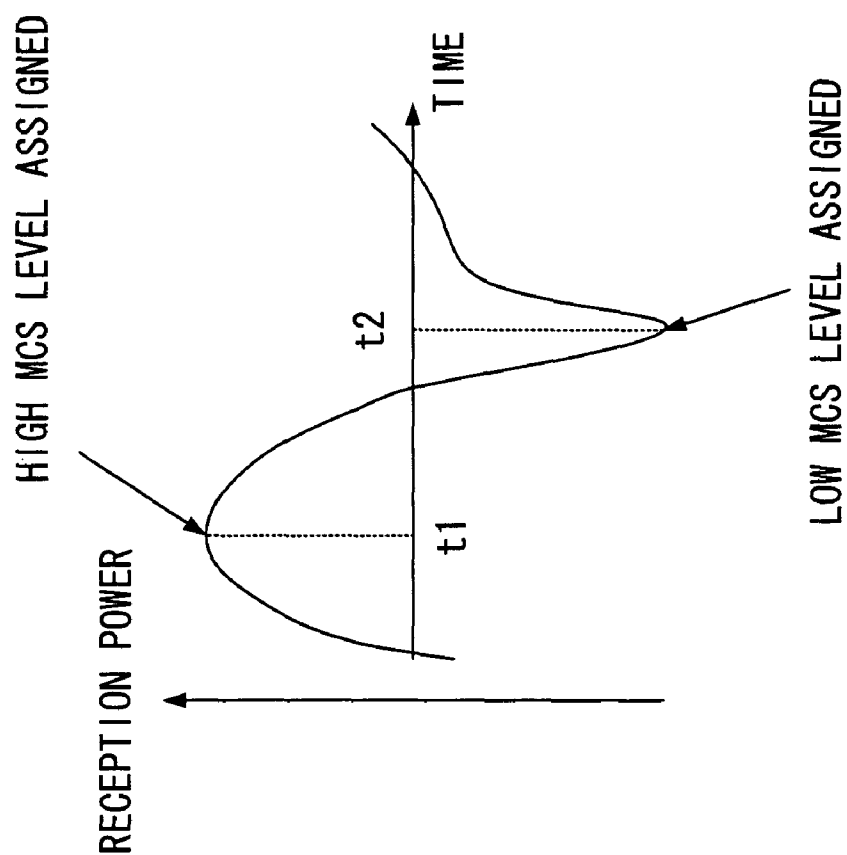


FIG.1

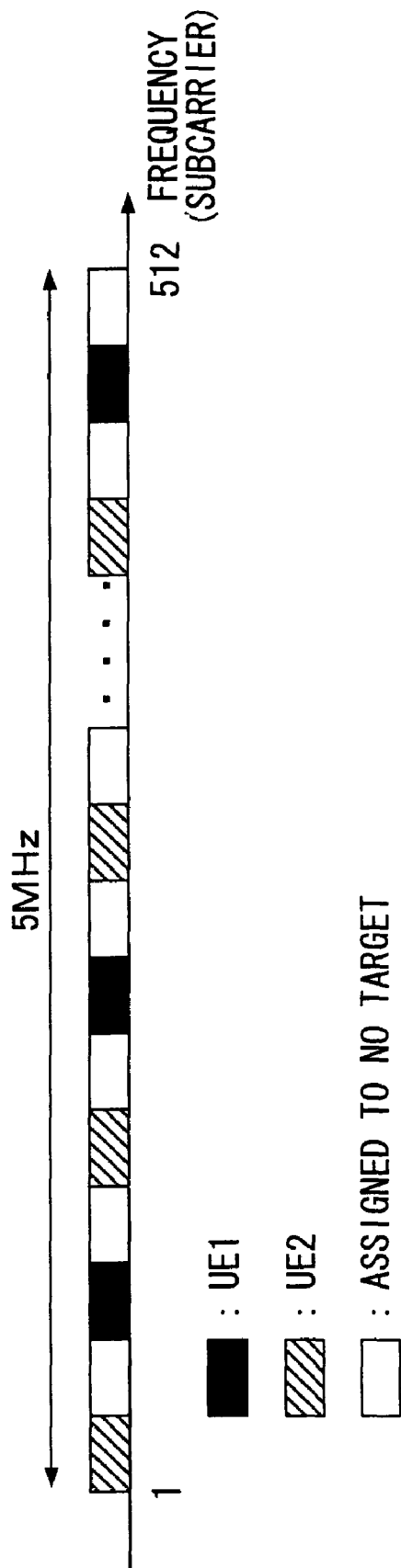


FIG.2

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