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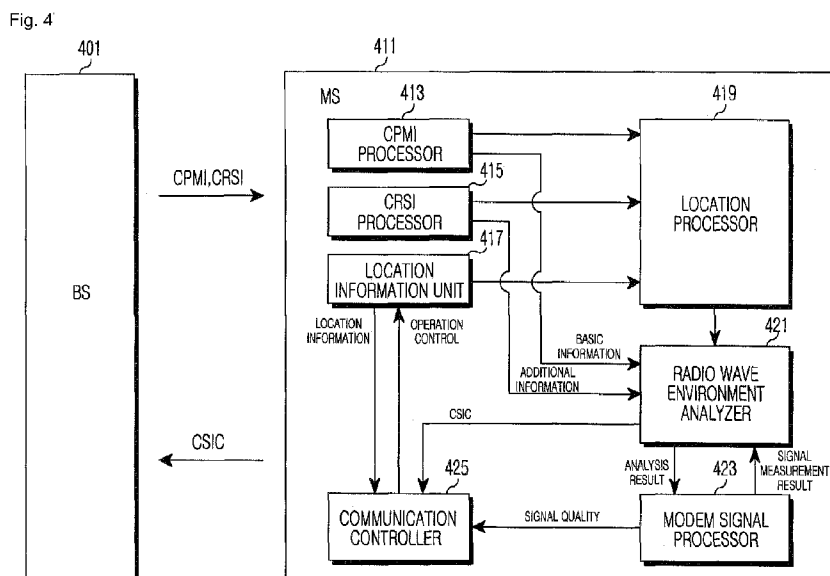
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(54) Title: APPARATUS AND METHOD FOR IMPROVING TRANSMITTING/RECEIVING PERFORMANCE BASED ON LOCATION INFORMATION OF MOBILE STATION IN COMMUNICATION SYSTEM



(57) Abstract: An apparatus and method for improving transmitting/receiving performance based on location information of a Mobile Station (MS) in a communication system are provided. The method includes measuring coordinates of the MS to obtain the location information by using a navigation device, measuring received signal strengths of each Base Stations (BSs) according to the location information and transmitting the measurement result to a serving BS, receiving regional cell status information generated from the serving BS, and performing a transmitting/receiving operation according to a MS location included in the regional cell status information.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2008/006989**A. CLASSIFICATION OF SUBJECT MATTER****H04B 7/26(2006.01)i**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC: H04B, H04L, G06F, H04W

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean Utility models and applications for Utility models since 1975

Japanese Utility models and application for Utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKIPASS (KIPO internal), IEEE xplore

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KR 10-0594112 B1 (SAMSUNG ELECTRONICS CO., LTD.) 20 Jun. 2006 See page 3 line 13 - page 5 line 44; claims. 1-18	1-3, 5-15, 17-24
A	US 2007-0025293 A1 (HYONG-UK CHOI) 1 Feb. 2007 See page 3 paragraph[0041] - page 5 paragraph[0063]	1-24

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

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Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
KR 10-0594112 B1	20.06.2006	NONE	
US 2007-0025293 A1	01.02.2007	NONE	