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(71) Applicant: SAMSUNG ELECTRONICS CO., LTD. [KR/KR]; 416, Maetan-dong, Paldal-gu, Suwon-city, Kyungki-do 442-370 (KR).

(72) Inventor: LEEM, Jun-Bae; 408-65, Shillim 2-dong, Kwanak-gu, Seoul 151-012 (KR).

(74) Agent: LEE, Keon, Joo; Mihwa Building, 110-2, Myon-gryun-dong 4-GA, Chongro-gu, Seoul 110-524 (KR).

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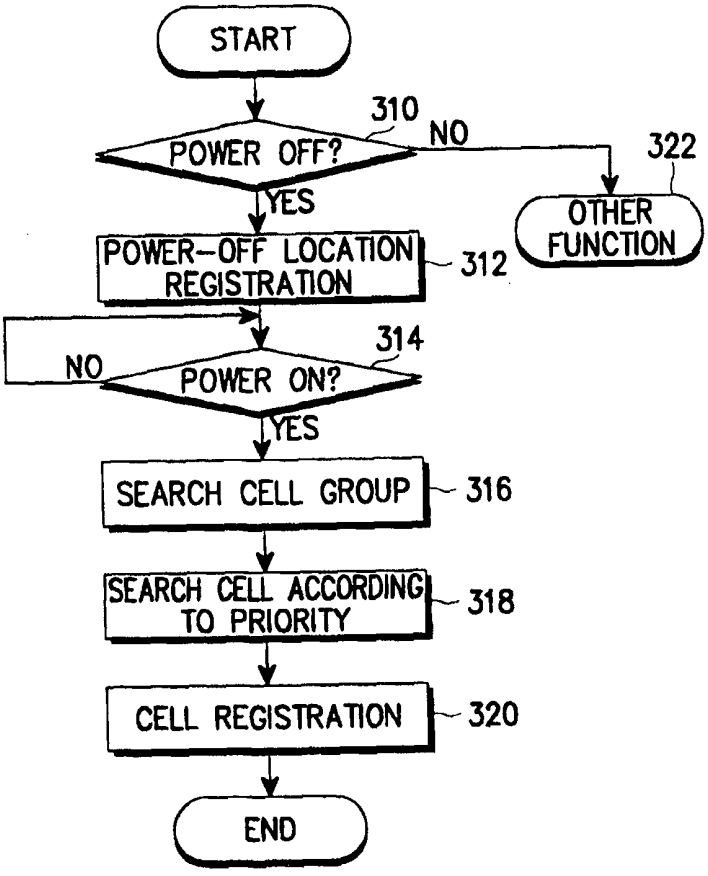
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(54) Title: METHOD FOR SEARCHING CELLS IN MOBILE COMMUNICATION SYSTEM

(57) Abstract

A rapid cell search method is disclosed for a mobile station in a mobile communication system. Upon detection of a power-off request, the mobile station stores in a memory PN information of adjacent cells in association with receiving power levels of the adjacent cells. Upon power on, it is determined whether the mobile station is presently located in a same cell group where it was located at a power-off time. When the mobile station is located in the same cell group, it sequentially reads the PN information from the memory in order of receiving power level to search the adjacent cells. Further, the mobile station searches a cell registered at the power-off time prior to searching the adjacent cells.



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INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR 99/00363

A. CLASSIFICATION OF SUBJECT MATTER

IPC[7]: H04Q 7/38, 7/22

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[7]: H04Q 7/22, 7/38

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

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

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GB 2320402 A (NEC CORP.) 17 June 1998 (17.06.98) abstract; fig.1	1
A	EP 0837617 A2 (MATSUSHITA ELECTRIC IND.) 22 April 1998 (22.04.98) abstract; column 1, line 5 to column 5, line 1, claims; fig.1 to 6.	1
A	EP 0566893 A1 (INTERNATIONAL BUSINESS MACHINES) 27 October 1993 (27.10.93) totality.	1,2

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

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Date of the actual completion of the international search	Date of mailing of the international search report
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Name and mailing adress of the ISA/AT	Authorized officer
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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