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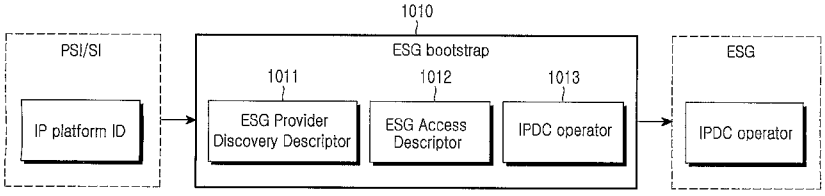



FIG.10

(57) Abstract: A method and apparatus for supporting mobility in a mobile broadcasting system in which Electronic Service Guide (ESG) discovery is required. The mobility support is classified into three ways. The first way is to provide roaming information for a local IPDC operator having a roaming partner among local IPDC operators. In the second way, a terminal transmits a query message for requesting transmission of information on a particular local IPDC operator, and receives information on the particular local IPDC operator in response thereto. The third way is to provide the terminal with type information of an ESG, an access type of which is classified according to provision of a roaming service. The roaming information, the information on the particular local IPDC operator and the type information of the ESG, which are provided to the terminal from the mobile broadcasting system, can be provided in an ESG bootstrap level.

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**A. CLASSIFICATION OF SUBJECT MATTER**

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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 8 H04N, H04Q

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 applications for Utility Models since 1975

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

eKOMPASS(KIPO internal): "ESG, CBMS and IPDC"

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|---|---|---|
| A | US 2007/0207727 A1 (SONG et al.) 6, Sep. 2007<br>See abstract, page 1, [0009] - page 2, [0014]; page 3, [0056] - page 5, [0073]; Fig. 1; claims 1 and 8. | 1-54 |
| A | WO 2007/129863 A1 (SAMSUNG ELECTRONICS CO., LTD.) 15, Nov. 2007<br>See abstract, page 2, line 31 - page 4, line 20; Fig. 1; claim 1. | 1-54 |
| A | EP 1791362 A2 (SAMSUNG ELECTRONICS CO., LTD.) 30, May 2007<br>See abstract, page 2, [0007] - page 3, [0010]; page 4, [0014] - [0018]; Fig. 1; claim 1. | 1-54 |
| A | US 2007/0118872 A1 (SONG et al.) 24, May 2007<br>See abstract, page 1, [0016] - page 2, [0021]; Fig. 5. | 1-54 |

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| | | WO 2007-029974 A1 | 15.03.2007 |