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[Continued on next page]

(54) Title: METHOD AND SYSTEMS FOR DEFAULT ROUTING IN A SIGNALING NETWORK

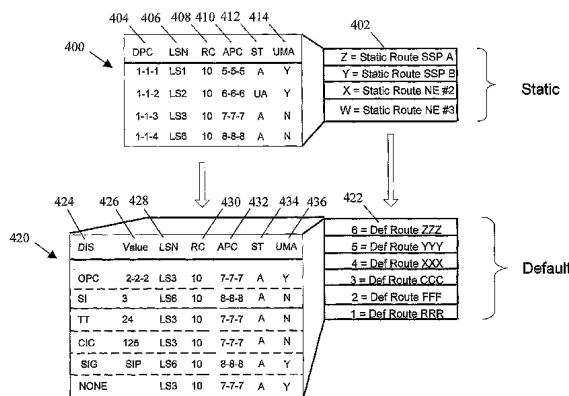


FIG. 5

(57) Abstract: Methods and systems for routing SS7 messages based on DPC-based routing rules and non-DPC-based routing rules are disclosed. For a message containing signaling system 7 (SS7) information, a message routing function at an SS7 signaling message routing node searches a list of message routing rules using a search key including a DPC parameter extracted from the signaling message. If a matching entry is not located in the first routing rule list, a default SS7 routing rule may be used to route the message. The default routing rule may include wildcard values for each of the network ID, network cluster, and cluster member components of the DPC address field. Multiple default routing rules may be defined using various SS7 discriminator parameters. In addition, new DPC-based routing rules can be created and added to the list of DPC-based routing rules based on lookups in the set of non-DPC-based routing rules.

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USPC: 379/221.08,221.1;370/410

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)

U.S. :

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)

EAST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2004/0081206 (Allison et al.) 29 April 2004, the entire document.	1-29

Further documents are listed in the continuation of Box C.

See patent family annex.

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