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AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

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(54) Title: METHODS, SYSTEMS, AND COMPUTER READABLE MEDIA FOR PERFORMING DIAMETER ANSWER MESSAGE-BASED NETWORK MANAGEMENT AT A DIAMETER SIGNALING ROUTER (DSR)

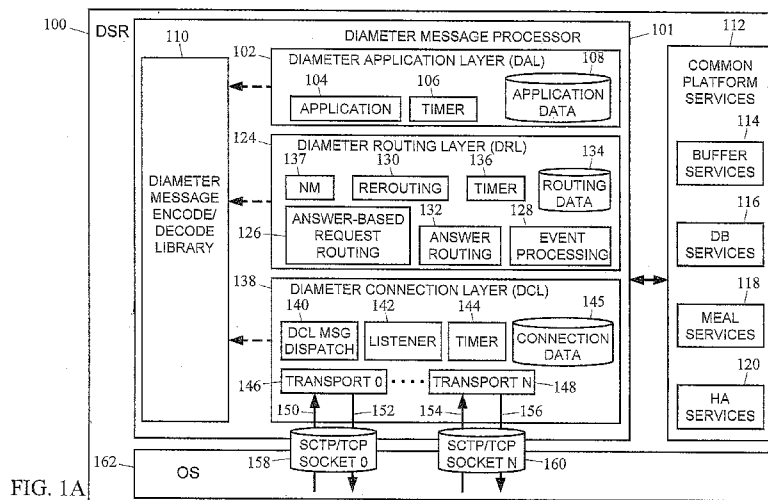


FIG. 1A

(57) Abstract: Methods, systems, and computer readable media for performing Diameter answer message-based network management at a Diameter signaling router (DSR) are disclosed. According to one method, a Diameter answer message that includes error indicator information is received from a first Diameter node at a DSR. The error indicator information included in the Diameter answer message is examined, at the DSR, and information based on the error indicator information is used to update status information for routes maintained by the DSR to the first Diameter node.

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**A. CLASSIFICATION OF SUBJECT MATTER****H04L 12/24(2006.01)i, H04L 12/26(2006.01)i, H04L 12/28(2006.01)i, H04L 12/58(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)

H04L 12/24; G06F 15/16; G06F 1/26; H04L 9/32; G06F 13/00

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

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) &amp; Keywords: error indicator, response message, server, update, select path, status, failure

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6918041 B1 (WEIHAI CHEN) 12 July 2005 See fig.3B, column 7, line 12 - column 8, line 19 and claims 8,10	1, 10, 18, 27, 35
Y	US 2007-0214209 A1 (MASAHIRO MAEDA) 13 September 2007 See paragraphs 19-20, claim 1, 8-14, 20	1, 10, 18, 27, 35
A	US 6273622 B1 (BEN-DAVID; IDO) 14 August 2001 See column 9, line 8 - column 13, line 46 and claims 1-5	1-36

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

\* Special categories of cited documents:

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

**PCT/US2011/024629**

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6918041 B1	12.07.2005	US 2005-0154922 A1 US 7398546 B2	14.07.2005 08.07.2008
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