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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)

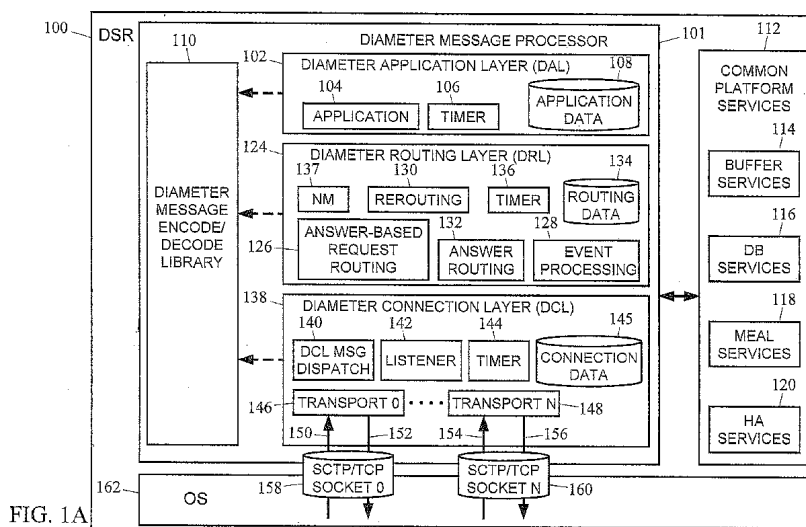




FIG. 1A

(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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<b>A. CLASSIFICATION OF SUBJECT MATTER</b>		
<i>H04L 12/24(2006.01)i, H04L 12/26(2006.01)i, H04L 12/28(2006.01)i, H04L 12/58(2006.01)i</i>		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>		
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) & Keywords: error indicator, response message, server, update, select path, status, failure		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
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
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family
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