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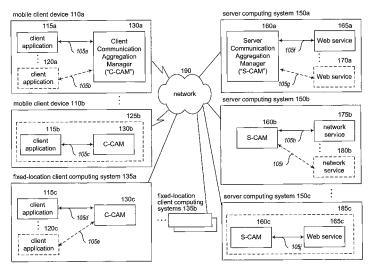
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### (54) Title: MANAGING AGGREGATION AND SENDING OF COMMUNICATIONS



(57) Abstract: Techniques are described for managing communications between client applications and remote recipients, such as remote Web services or other network services. In at least some situations, the techniques include providing client communication management systems on each of multiple client computing devices to manage communications being sent from and/or to one or more client applications executing on the client computing device, and/or providing server communication management systems on each of multiple server computing systems to manage communications being sent from and/or to one or more network services provided by the server computing system. A communication management system on a computing device or system may aggregate communications being sent to one or more remote recipients from one or more local applications or services, and then send a group of multiple aggregated communications together to the remote recipient when the communication management system determines that one or more predefined criteria are satisfied.





International application No. **PCT/US2007/084360** 

#### A. CLASSIFICATION OF SUBJECT MATTER

#### G06F 15/16(2006.01)i, G06F 17/00(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) G06F 15/16; H04L 7/00; G06F 15/167

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: one or more applications, one or more services, aggregation of responses.

#### C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
А	US 2004-0098495 A1 (JOSEPH R. WARREN et al.) 20 May 2004 See the abstract; figures 3-11; and paragraphs [0011], [0014-0015], [0041-004 5], [0064], and [0086].	1-35
A	US 2004-0001565 A1 (CAROL A. JONES et al.) 01 January 2004 See the abstract; figures 1-2; and paragraphs [0008-0013] and [0022-0026].	1-35
A	US 2004-0015567 A1 (GREGORY, J. ZIEBOLD et al.) 22 January 2004 See the abstract; figures 2-3 and 5; and paragraphs [0047], [0052-0053], and [0058].	1-35
А	US 2004-0133650 A1 (VLADIMIR MILOUSHEV et al.) 08 July 2004 See the abstract, figures 2, 3, 7, 17-19, and 21; and paragraphs [0031], [009 0], [0105-0106] and [0140].	1-35
А	US 2004-0078424 A1 (RAHAV YAIRI et al.) 22 April 2004 See the abstract; figure 1; and paragraphs [0009-0010].	1–35

		Further	documents	are	listed	in	the	conti	nuation	of I	Зох	C.
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See patent family annex.

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Information on patent family members

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