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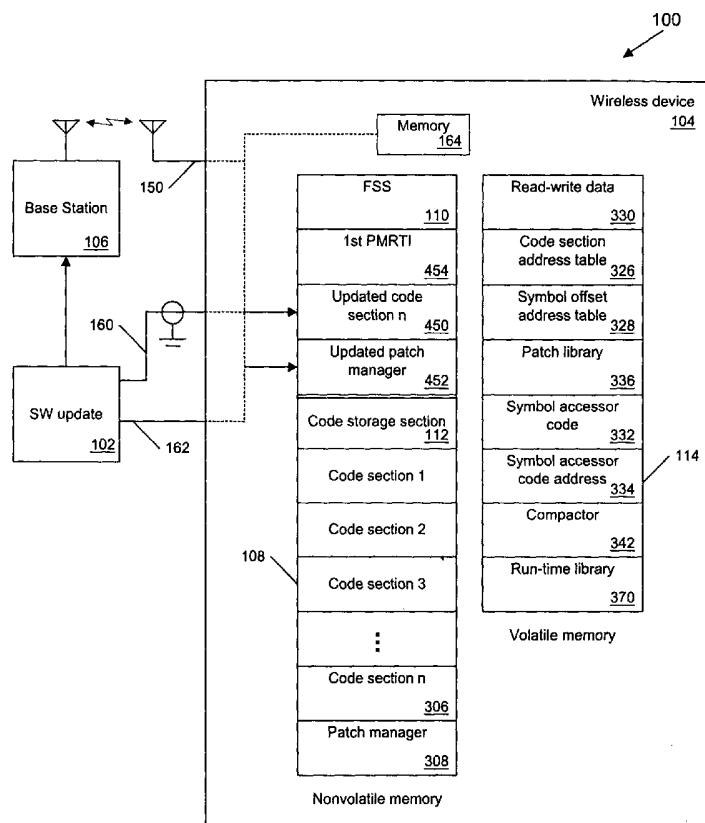
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(54) Title: SYSTEM AND METHOD FOR PEER-TO-PEER HANDSET COMMUNICATION



(57) Abstract: The present invention provides a peer-to-peer data communication system and method that allows a first handset and a second handset to engage in data communications over a wireless communication network. In doing so, the first handset creates a server opcode set and combines the server opcode set with a corresponding server data payload. The server opcode set and corresponding server data payload are then sent to a network server where the data is extracted and the opcodes are translated into executable instructions that are carried out. The executable instructions cause the network server to compile a remote opcode set and a corresponding remote data payload. This remote opcode set and remote data payload are sent to the second handset, which is identified by the first handset in the server data payload. When the second handset receives the remote opcode set and remote data payload, the second handset extracts the remote data payload and executes the instructions corresponding to the opcodes in the remote opcode set. Execution of the instructions causes an action to be performed on the second handset that consummates a data communication between the first handset and the second handset.



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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)

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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 practical, search terms used)

EPO-Internal, PAJ, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 247 065 B1 (HANSON BRUCE LOWELL ET AL) 12 June 2001 (2001-06-12) abstract column 2, line 7 -column 2, line 31 column 2, line 43 -column 2, line 67 column 3, line 27 -column 3, line 41 column 4, line 10 -column 4, line 23 column 4, line 31 -column 4, line 55 column 5, line 15 -column 5, line 25 column 5, line 50 -column 5, line 59 claim 1; figures 2,3	1-4,6,8, 10,11, 13,15-19
A	EP 0 918 420 A (NIPPON ELECTRIC CO) 26 May 1999 (1999-05-26) the whole document --- -/--	1-19

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2001/000538 A1 (KOWAGUCHI SATOSHI) 26 April 2001 (2001-04-26) the whole document -----	1-19

INTERNATIONAL SEARCH REPORT

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PCT/IB 02/02905

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6247065	B1	12-06-2001	CA 2221952 A1	26-06-1998
EP 0918420	A	26-05-1999	JP 3337062 B2	21-10-2002
			JP 11154121 A	08-06-1999
			CN 1228656 A	15-09-1999
			EP 0918420 A2	26-05-1999
			US 6363412 B1	26-03-2002
US 2001000538	A1	26-04-2001	JP 11146011 A	28-05-1999
			GB 2345424 A ,B	05-07-2000
			GB 2333936 A ,B	04-08-1999
			US 6185605 B1	06-02-2001