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(71) Applicant (for all designated States except US): **AMICUS WIRELESS TECHNOLOGY LTD.**; Scotia Center, P.O. Box 268gt, Grand Cayman (KY).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **YE, Huanchun** [US/US]; 19844 Baywood Drive, Cupertino, CA 95014 (US).

(74) Agent: **HAM, Thomas, H.**; Wilson & Ham, Pmb:348, 2530 Berryessa Road, San Jose, CA 95132 (US).

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(54) Title: APPARATUS AND METHOD FOR TRANSMITTING OUTGOING DATA USING DATA DESCRIPTORS

(57) Abstract: An apparatus and method for transmitting outgoing data uses data descriptors for multiple sets of contiguous data blocks stored in buffers. When new sets of contiguous data blocks are created due to acknowledgement signals for particular data blocks of the multiple sets of contiguous data blocks, new data descriptors are generated for some of the new sets of contiguous data blocks. These new data descriptors are placed in spaces in the buffers where the particular data blocks were originally stored.

**INTERNATIONAL SEARCH REPORT**

International application No.  
PCT/US07/65543

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC: **G06F 15/167( 2006.01)**  
  
 USPC: 709/212  
 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. : 709/212

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.
X --- Y	US 7,020,822 B2 (HO et al) 28 March 2006 (28.03.2006),	1-2, 4-7, 10, 13-14, 16-19
Y	US 4,872,157 (HEMADY et al) 3 October 1989 (03.10.1989), column 53, lines 49-65	3, 15
Y	US 4,872,157 (HEMADY et al) 3 October 1989 (03.10.1989), column 53, lines 49-65	9, 11-12
A	US 6,658,619 B1 (CHEN), 2 December 2003 (02.12.2003), column 4, lines 12-23	1-20

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

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"A" document defining the general state of the art which is not considered to be of particular relevance	"I"	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
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"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"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
"O" document referring to an oral disclosure, use, exhibition or other means	"&"	document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed		

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Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201	Authorized officer Jeffrey R Swearingen Telephone No. (703) 305-9000
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