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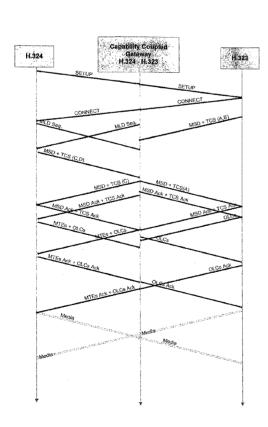
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[Continued on next page]

(54) Title: ACCELERATED SESSION ESTABLISHMENT IN A MULTIMEDIA GATEWAY



(57) Abstract: A method of establishing a reduced setup time session through a gateway includes receiving a first capability message transmitted from the first terminal to the gateway and receiving a second capability message transmitted from the second terminal to the gateway. The method also includes processing the first capability message and the second capability message to form a third capability message and a fourth capability message. The method further includes transmitting a third capability message from the gateway to the first terminal and transmitting a fourth capability message from the gateway to the second terminal. Moreover, the method includes receiving a first request message transmitted from the second terminal to the gateway and transmitting a second request message from the gateway to the first terminal. Transmitting the second request message is performed independent of receiving the first request message. Additionally, the method includes receiving a first response message transmitted from the second terminal to the gateway and transmitting a second response message from the gateway to the first terminal. Transmitting the second response message is performed in response to receiving the first response message.



WO 2007/056537 A3



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INTERNATIONAL SEARCH REPORT

International application No. PCT/US06/43685

A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - G06F 15/173 (2007.10) USPC - 709/240 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) IPC(8) - G06F 15/173 (2007.10) USPC - 709/240, 242, 228				
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) Database: MicroPatent				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.	
X	US 2004/0125760 A1 (NEWBERG et al) 01 July 2004	(01.07.2004) entire document	1-34, 36-63, 65-77, 80-86, 88-90, 114-132	
Υ			35, 64, 78-79, 87	
Υ	US 6,954,800 B2 (MALLORY) 11 October 2005 (11.10	0.2005) entire document	35, 64, 87	
Υ	US 2004/0174817 A1 (JABRI et al) 09 September 2004 (09.09.2004) entit		78-79	
Α	US 2005/0239498 A1 (DORENBOSCH et al) 27 Octob	per 2005 (27.10.2005) entire document	1-90, 114-132	
Α	US 2004/0176032 A1 (KOTOLA et al) 09 September 2	2004 (09.08.2004) entire document	1-90, 114-132	
Α	US 2004/0131042 A1 (LILLIE et al) 08 July 2004 (08.0	07.2004) entire document	1-90, 114-132	
Further documents are listed in the continuation of Box C.				
* Special categories of cited documents: "T" later document published after the international filing date or priorit date and not in conflict with the application but cited to understant to be of particular relevance * Special categories of cited documents: "T" later document published after the international filing date or priorit date and not in conflict with the application but cited to understant the principle or theory underlying the invention			ation but cited to understand	
"E" earlier application or patent but published on or after the international filing date "X" document of particular relevance; the claimed invention cannot considered novel or cannot be considered to involve an invent				
"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) step when the document is taken alone document of particular relevance; the claimed invention cannot considered to involve an inventive step when the document				
"O" document referring to an oral disclosure, use, exhibition or other means document referring to an oral disclosure, use, exhibition or other means documents, such documents, such combination being obvious to a person skilled in the art			locuments, such combination	
"P" document published prior to the international filing date but later than "&" document member of the same patent family the priority date claimed			amily	
Date of the a	actual completion of the international search	Date of mailing of the international search 19 DEC 2007	ch report	
Name and mailing address of the ISA/US Authorized officer:				
Mail Stop PCT, Attn: ISA/US, Commissioner for Patents		Blaine R. Copenheaver		
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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US06/43685

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)			
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:			
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:			
2. Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:			
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).			
Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)			
This International Searching Authority found multiple inventions in this international application, as follows:			
See Extra Sheet (page 10)			
As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.			
2. As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of additional fees.			
As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:			
No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-90, and 114-132			
Remark on Protest The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee. The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation. No protest accompanied the payment of additional search fees.			

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US06/43685

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1. In order for all inventions to be examined, the appropriate additional examination fees must be paid.

Group I, claims 1-90, and 114-132, drawn to a method of establishing a reduced setup time session through gateway.

Group II, claims 91-97, drawn to a method of establishing a reduced setup session between an H.324-like terminal and a gateway.

Group III, claims 98-113, drawn to a method of establishing a educed setup time session between a first SIP-like terminal and a second SIP-like terminal

Group III, claims 98-113, drawn to a method of establishing a educed setup time session between a first SIP-like terminal and a second SIP-like terminal.
The inventions listed as Groups I, II, and III do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: the special technical feature of the Group I invention is transmitting a second request message (a second capability negotiation process) being performed independent of receiving a first request message (a first capability negotiation process) as claimed therein, is not present in the invention of Groups II - III; the special technical feature of the Group II invention is a first enablement message being transmitted prior to receiving a second enablement message from a first terminal at a gateway as claimed therein is not present in the invention of Groups I and III; and the special technical feature of the Group III invention is an acknowledgement message transmitted from a first SIP-like terminal being received at a gateway after transmitting a second capability response message as claimed therein is not present in the invention of Groups I and III.
Since none of the special technical features of the Group I, II, and III inventions is found in more than one of the inventions, unity of invention is lacking.