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- (74) **Agents: BARUFKA, Jack S. et al.;** Pillsbury Winthrop Shaw Pittman LLP, P.O. Box 10500, McLean, Virginia 22102 (US).
- (81) **Designated States** (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,

HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

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Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

Published:

- *with international search report (Art. 21(3))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

[Continued on next page]

(54) **Title:** METHOD AND SYSTEM OF TRANSMITTING DATA OVER A NETWORK USING A COMMUNICATION PROTOCOL

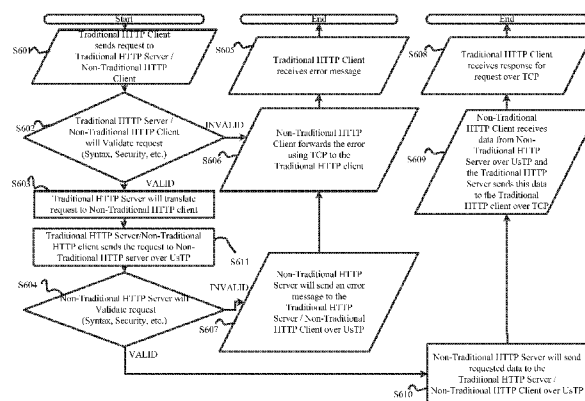
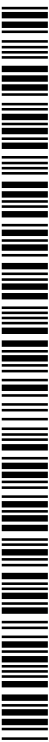


FIG. 6

(57) **Abstract:** A method of transmitting data over a network includes receiving, by a Non-Traditional HTTP server, a request from a Non-Traditional HTTP client through a network, the Non-Traditional HTTP server being configured to operate as a HTTP server that does not use TCP, the Non-Traditional HTTP client being configured to operate as a HTTP client that does not use TCP, the Non-Traditional HTTP server and the Non-Traditional HTTP client communicating through the network using User Space Transport Protocol (UsTP); and determining by the Non-Traditional HTTP server whether the request is valid. If the request is determined to be invalid, sending, by the Non-Traditional HTTP server, an error message to the Non-Traditional HTTP client through the network over UsTP. If the request is determined to be valid, sending by the Non-Traditional HTTP server, requested data to the Non-Traditional HTTP client through the network over UsTP.



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10 December 2015

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2015/025974

A. CLASSIFICATION OF SUBJECT MATTER
INV. H04L29/08 H04L29/06
ADD.
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)
H04L

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)
EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2014/059168 A1 (PONEC MIROSLAV [CZ] ET AL) 27 February 2014 (2014-02-27) abstract claims 1-20; figures 1-4 page 1, paragraph 0005 - page 2, paragraph 0012 page 2, paragraph 0021 - page 4, paragraph 0037 page 5, paragraph 0045 - page 5, paragraph 0048 page 6, paragraph 0052	1-44
X	EP 2 178 264 A1 (CANON EUROPA NV [NL]) 21 April 2010 (2010-04-21) abstract page 4, paragraph 0035 - page 5, paragraph 0041 ----- -/--	1-3,5, 25,28

Further documents are listed in the continuation of Box C.

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 another 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

Date of the actual completion of the international search 17 July 2015	Date of mailing of the international search report 12/10/2015
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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer Florou, Rafaela
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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2015/025974

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:

1. 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 additional sheet

1. 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 an additional fees, this Authority did not invite payment of additional fees.
3. 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.:
4. 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.:

1-44

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.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-44

a method of establishing a connection between a non-traditional HTTP client and a non-traditional HTTP server

2. claims: 45-52

a method of pre-allocating resources for a file transfer

3. claims: 53-60

a method of determining available space in a storage device.

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2015/025974

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	FIELDING UC IRVINE J GETTYS COMPAQ/W3C J MOGUL COMPAQ H FRYSTYK W3C/MIT L MASINTER XEROX P LEACH MICROSOFT T BERNERS-LEE W3C/MIT R: "Hypertext Transfer Protocol -- HTTP/1.1; rfc2616.txt", 19990601, 1 June 1999 (1999-06-01), XP015008399, ISSN: 0000-0003 the whole document -----	1-44

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2015/025974

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2014059168	A1	27-02-2014	
		CN 104662865 A	27-05-2015
		EP 2888857 A1	01-07-2015
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		WO 2014032036 A1	27-02-2014

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		US 2010100588 A1	22-04-2010
