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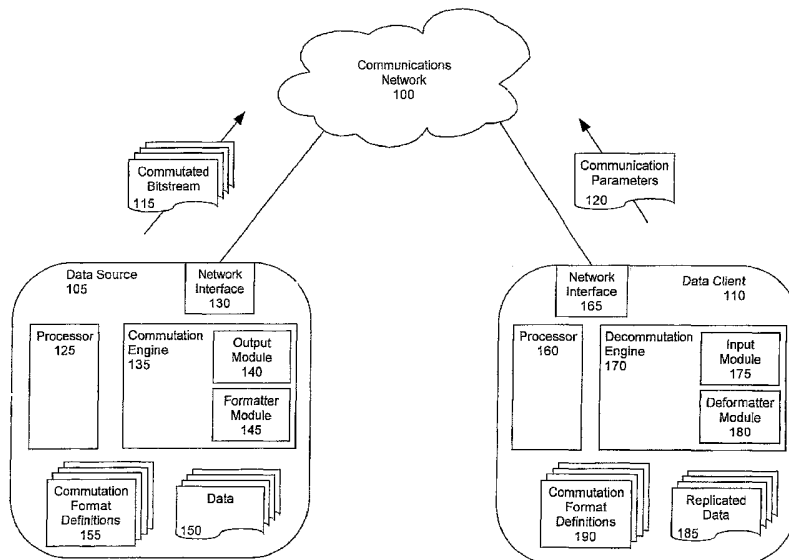
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(54) Title: ADAPTIVE BANDWIDTH UTILIZATION FOR TELEMETERED DATA



(57) Abstract: A method (400) for optimizing bandwidth utilization in a communications network (100). The communications network can include a data source (105) and a data client (110). Responsive to a measurement of at least one communication parameter (120) of a commutated bitstream (115) which is transmitted to the client, the data source can change a commutation format of the commutated bitstream. The communication parameters can include a data receive time (T_{RX}), a data latency and/or an effective receive data rate (D_{Eff}) of the commutated bitstream. The communication parameters can be transmitted to the data source as telemetry. The change of commutation format can occur in an open systems interconnection (OSI) layer such as a session layer and/or a transport layer.

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INTERNATIONAL SEARCH REPORT

International application No.
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A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - H 04 J 3/18 (2006.01) USPC - 370/477, 370/442, 709/236 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. : 370/210, 235, 252, 328, 352, 389, 392, 431, 442, 463, 468, 477, 480, 508; 375/229, 346, 350; 709/230, 234, 235, 236, 238, 247, 249 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched NONE Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) PUBWEST--PGPB, USPT, EPAB and JPAB--searched optimiz\$, improv\$, increas\$, bandwidth, client, data, change, communication\$, network, parameter, time, commutat\$, bitstream, receive, latency, effective, rate, transmit, open systems interconnection																				
C. DOCUMENTS CONSIDERED TO BE RELEVANT <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width: 10%;">Category*</th> <th style="width: 70%;">Citation of document, with indication, where appropriate, of the relevant passages</th> <th style="width: 20%;">Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">X</td> <td>US 2002/0131443 A1 (ROBINETT et al.) 19 September 2002 (19.09.2002) see paragraphs 49, 62, 66, 132, 134, and 143</td> <td style="text-align: center;">1-5, 7-8, and 10</td> </tr> <tr> <td style="text-align: center;">A</td> <td>US 6,212,201 B1 (HINDERKS et al.) 03 April 2001 (03.04.2001) see entire document</td> <td style="text-align: center;">1-10</td> </tr> <tr> <td style="text-align: center;">A</td> <td>US 2003/0079041 A1 (PARELLA, SR. et al.) 24 April 2003 (24.04.2003) see entire document</td> <td style="text-align: center;">1-10</td> </tr> <tr> <td style="text-align: center;">A, P</td> <td>US 6,807,173 B1 (LEE et al.) 19 October 2004 (19.10.2004) see entire document</td> <td style="text-align: center;">1-10</td> </tr> <tr> <td style="text-align: center;">A</td> <td>US 6,665,733 B1 (WITKOWSKI et al.) 16 December 2003 (16.12.2003) see entire document</td> <td style="text-align: center;">1-10</td> </tr> </tbody> </table>			Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	X	US 2002/0131443 A1 (ROBINETT et al.) 19 September 2002 (19.09.2002) see paragraphs 49, 62, 66, 132, 134, and 143	1-5, 7-8, and 10	A	US 6,212,201 B1 (HINDERKS et al.) 03 April 2001 (03.04.2001) see entire document	1-10	A	US 2003/0079041 A1 (PARELLA, SR. et al.) 24 April 2003 (24.04.2003) see entire document	1-10	A, P	US 6,807,173 B1 (LEE et al.) 19 October 2004 (19.10.2004) see entire document	1-10	A	US 6,665,733 B1 (WITKOWSKI et al.) 16 December 2003 (16.12.2003) see entire document	1-10
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<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.																				
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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: Blaine R. Copenheaver Telephone No. 571-272-7774 																			