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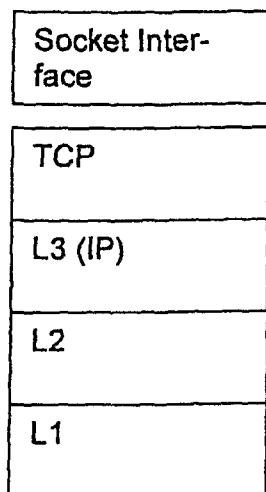
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(54) Title: METHOD AND APPARATUS FOR SWITCHING BETWEEN DIFFERENT PROTOCOL IMPLEMENTATIONS



TCP maintains many user sessions (via socket interface)

(57) Abstract: An apparatus for switching between different implementations of a transport protocol, said apparatus comprising: a plurality of different implementations of a transport protocol; an upper transport layer interface for connecting said plurality of different transport protocol implementations with the layer above the transport layer; a lower transport interface for connecting said plurality of a transport protocol implementations with the layer below that transport layer, whereas said upper transport interface and said lower transport interface respectively are capable of switching their connection between the different transport protocol implementation based on switching information, and a control module for determining the switching

information for switching the connection between the upper interface and the plurality of transport protocol implementations and the lower transport interface and the plurality of transport protocol implementations such that for a certain communication session the transport protocol implementation which yields an optimised data flow is selected.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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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)

IPC 7 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 practical, search terms used)

EPO-Internal, WPI Data, IBM-TDB, 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	WO 03/071813 A (ZYRAY WIRELESS, INC) 28 August 2003 (2003-08-28) abstract page 2, line 15 - page 10, line 6 page 13, line 13 - page 30, line 21 figures 1-21B	1-9, 15-24, 30,31
Y		10-14, 25-29
Y	US 6 091 733 A (TAKAGI ET AL) 18 July 2000 (2000-07-18) abstract column 1, line 66 - column 2, line 28 column 3, line 1 - column 8, line 64 figures 1-11 ----- -/--	10,11, 25,26

☒ 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.
Y	BORDER HUGHES NETWORK SYSTEMS M KOJO UNIVERSITY OF HELSINKI J GRINER NASA GLENN RESEARCH CENTER G MONTENEGRO SUN MICROSYSTEMS J ET: "Performance Enhancing Proxies That Improve Link-Related Degradations" IETF STANDARD-WORKING-DRAFT, INTERNET ENGINEERING TASK FORCE, IETF, CH, vol. pilc, no. 6, 5 April 2001 (2001-04-05), XP015024918 ISSN: 0000-0004 abstract section 2 section 3 section 4.4 section 4.5 section 5	12-14, 27-29
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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