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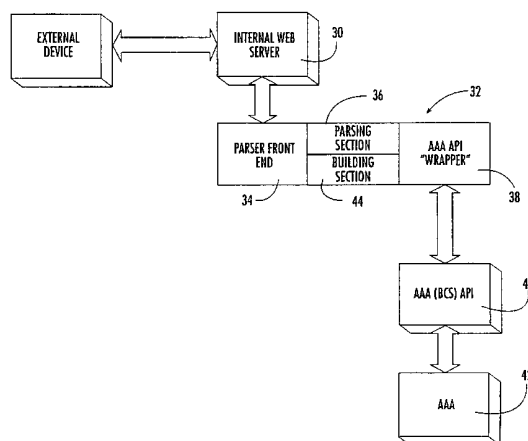
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[Continued on next page]

(54) Title: GATEWAY DEVICE HAVING AN XML INTERFACE AND ASSOCIATED METHOD



(57) Abstract: A gateway device and associated method are provided that facilitate communications with external devices by utilizing a uniform communications format. The gateway device includes a subscriber interface for adapting to a subscriber computer that is connected to the gateway device. The subscriber interface facilitates communications between the subscriber computer and at least one network or on-line service without requiring the subscriber computer to be reconfigured and without requiring the subscriber computer to support XML commands and responses. The gateway device also includes an XML interface for communicating with an external device via a series of XML commands and responses. The XML commands and responses can relate to a variety of matters, including various subscriber management matters. Typically, the XML interface includes a parser front end, a parser section and a building section for appropriately handling XML commands that are received by the gateway device and for sending appropriate responses. The gateway device can also include an internal web server for communicating with both the XML interface and the internet to thereby facilitate XML-based communications between the gateway device and external devices connected to the internet. The subscriber computer can therefor enjoy the advantages of XML without having to be reconfigured to support XML.



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# INTERNATIONAL SEARCH REPORT

International Application No

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**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H04L29/06 G06F17/30

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 G06F

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, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 99 15995 A (PENCOM SYSTEMS INC) 1 April 1999 (1999-04-01)  page 2, line 19 -page 4, line 5 page 6, line 5 -page 8, line 35 page 11, line 7 -page 12, line 29 abstract; claims 1,4,8; figures 1,2,8 ---	1-4, 6-10, 12-17
X	US 5 970 490 A (MORGENSTERN MATTHEW) 19 October 1999 (1999-10-19) column 1, line 39 -column 6, line 12 column 32, line 49 -column 38, line 64 ---	1-18
P,X	WO 99 57837 A (SAMSUNG ELECTRONICS CO LTD) 11 November 1999 (1999-11-11) page 3, line 24 -page 7, line 4 page 50, line 11 -page 55, line 3 --- -/--	1-18

☒ 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.
E	WO 01 03011 A (NETMORF INC ;TIPNIS RAJEEV (US); KAMADOLLI SHYAM (US)) 11 January 2001 (2001-01-11) the whole document ---	1-18
A	MICHARD A ET AL: "The Aquarelle resource discovery system" 1998 , COMPUTER NETWORKS AND ISDN SYSTEMS, NORTH HOLLAND PUBLISHING. AMSTERDAM, NL, VOL. 30, NR. 13, PAGE(S) 1185-1200 XP004147404 ISSN: 0169-7552 the whole document -----	

# INTERNATIONAL SEARCH REPORT

Information on patent family members

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