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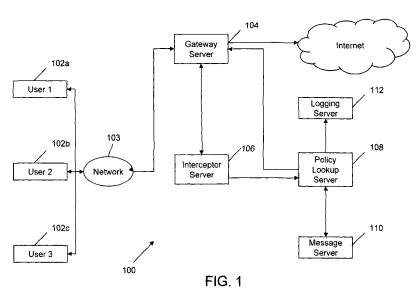
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
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(54) Title: SYSTEM AND METHOD FOR PROVIDING CUSTOMIZED RESPONSE MESSAGES BASED ON REQUESTED WEBSITE



(57) Abstract: The invention describes a system, method and computer product to regulate user access to websites over the Internet The system receives a URL request corresponding to a website that a user wishes to access Thereafter, the system determines an associated group for the user and an associated category of the website Subsequently, a customized advisory message is generated based on the user's access level credentials, a category identifier of the requested website and a message policy The advisory message is included in a block page and then displayed to the user.



#### INTERNATIONAL SEARCH REPORT

International application No. PCT/IB2010/001710

#### A. CLASSIFICATION OF SUBJECT MATTER

IPC: H04L 9/32 (2006.01), H04L 12/16 (2006.01), H04L 29/06 (2006.01)

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 (2006.01): H04L 9/32, H04L 12/16 and H04L 29/06 using keywords

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic database(s) consulted during the international search (name of database(s) and, where practicable, search terms used) Epoque, Canadian Patent Database, TotalPatent, WEST

Keywords: Internet access management, access regulation/list/level/credentials, custom messages, block page, identity management, authenticate, group ID/policy, category ID (website), message /access/security policy, permissions table, pre-defined rules, server/manager,

#### C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 20030182420 A1; "Method, System and Apparatus for Monitoring and Controlling Internet Site Content Access"; JONES et al.; 25 September 2003 (25-09-2003) [Abstract], [0035]-[0040], [0050]-[0052], [0156], [0157], [0160], [0224]-[0228], Figs. 1, 2 & 6, Table 1	1-25
A	US5987611; "System and Methodology for Managing Internet Access on a per Application Basis for Client Computers Connected to the Internet"; FREUND, G.; 16 November 1999 (16-11-1999)  *** whole document ***	1-25
A	US 20040107360 A1; "System and Methodology for Policy Enforcement"; HERRMANN et al.; 3 June 2004 (03-05-2004) *** whole document ***	1-25
A	US 20040167984 A1; "System Providing Methodology for Access Control with Cooperative Enforcement"; HERRMANN, C.; 26 August 2004 (26-08-2004) *** whole document ***	1-25
[X] Furthe	r documents are listed in the continuation of Box C. [X] See patent family	y annex.
* Speci	ial categories of cited documents : "T" later document publishe date and not in conflict	ed after the international filing date or priority with the application but cited to understand

A	US 20040167984 A1; "System Providing Methodology for Cooperative Enforcement"; HERRMANN, C.; 26 August *** whole document ***			
[X] F	urther documents are listed in the continuation of Box C.	[X]	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 document published prior to the international filing date but later than the priority date claimed		"X"	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 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 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	
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Name and mailing address of the ISA/CA Canadian Intellectual Property Office Place du Portage I, C114 - 1st Floor, Box PCT 50 Victoria Street Gatineau, Quebec K1A 0C9 Facsimile No.: 001-819-953-2476		Authorized officer  Lawrence J. Engel (819) 997-2936		

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International application No. PCT/IB2010/001710

egory*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 20080282338 A1; "System and Method for Preventing the Reception and Transmission of Malicious or Objectionable Content Transmitted Through a Network"; BEER, K.; 13 November 2008 (13-11-2008) *** whole document ***	1-25
A	US7458096 B2; ""Access System Interface"; KNOUSE et al.; 25 November 2008 (25-11-2008) *** whole document ***	1-25

#### INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No. PCT/IB2010/001710

Patent Document	Publication	Patent Family	Publication	
Cited in Search Report	Date	Member(s)	Date 25 September 2003 (25-09-2003)	
US2003182420A1	25 September 2003 (25-09-2003)	None		
US5987611A	16 November 1999 (16-11-1999)	None	16 November 1999 (16-11-1999)	
US2004107360A1	03 June 2004 (03-06-2004)	US2003055994A1	20 March 2003 (20-03-2003)	
	,	US6873988B2	29 March 2005 (29-03-2005)	
		US2003167405A1	04 September 2003 (04-09-2003)	
		US7222359B2	22 May 2007 (22-05-2007)	
		US2003177389A1	18 September 2003 (18-09-2003)	
		US7546629B2	09 June 2009 (09-06-2009)	
		US2004167984A1	26 August 2004 (26-08-2004)	
		US7590684B2	15 September 2009 (15-09-2009)	
		US2003055962A1	20 March 2003 (20-03-2003)	
US2004167984A1	26 August 2004 (26-08-2004)	US2003055994A1	20 March 2003 (20-03-2003)	
	-	US6873988B2	29 March 2005 (29-03-2005)	
		US2003167405A1	04 September 2003 (04-09-2003)	
		US7222359B2	22 May 2007 (22-05-2007)	
		US2003177389A1	18 September 2003 (18-09-2003)	
		US7546629B2	09 June 2009 (09-06-2009)	
		US7590684B2	15 September 2009 (15-09-2009)	
		US2003055962A1	20 March 2003 (20-03-2003)	
		US2004107360A1	03 June 2004 (03-06-2004)	
US2008282338A1	13 November 2008 (13-11-2008)	None	13 November 2008 (13-11-2008)	
US7458096B2	25 November 2008 (25-11-2008)	US2003074580A1	17 April 2003 (17-04-2003)	
	,	US7185364B2	27 February 2007 (27-02-2007)	
		US2007044144A1	22 February 2007 (22-02-2007)	
		US2009106433A1	23 April 2009 (23-04-2009)	
		WO02077819A1	03 October 2002 (03-10-2002)	