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(54) Title: SYSTEMS AND METHODS FOR DATA DRIVEN INFRASTRUCTURE ACCESS CONTROL

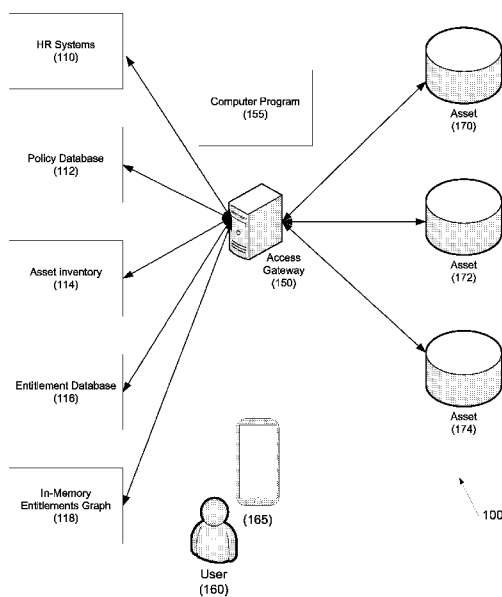


FIGURE 1

(57) Abstract: In one embodiment, in an access gateway (150) comprising at least one computer processor, a method for real-time data protection may include: (1) receiving a user login comprising a user identifier; (2) retrieving, using an in-memory entitlements graph (118), a role definition for the user identifier, wherein the role definition comprises allowed actions, entitled assets (170-174), and a system account; (3) receiving a selection of a requested asset from the entitled assets (170-174) and a requested action from the allowed actions; (4) verifying the user's entitlement to access the requested asset and perform the requested action with the system account using the in-memory entitlement graph (118) based on the user identifier, the system account, the requested asset, and the requested action; and (5) authorizing the user's entitlement to access the requested asset and perform the requested action with the system account substantially at a time of requested access.



MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM,  
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INTERNATIONAL SEARCH REPORT

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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)  
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, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GUSTAFSSON M ET AL: "Using NFS to implement role-based access control", ENABLING TECHNOLOGIES: INFRASTRUCTURE FOR COLLABORATIVE ENTERPRISES, 1 997. PROCEEDINGS., SIXTH IEEE WORKSHOPS ON CAMBRIDGE, MA, USA 18-20 JUNE 1997, LOS ALAMITOS, CA, USA, IEEE COMPUT. SOC, US, 18 June 1997 (1997-06-18), pages 299-304, XP010253338, DOI: 10.1109/ENABL.1997.630829 ISBN: 978-0-8186-7967-4 figure 1 abstract paragraphs [0001], [0003], [03.1], [0005] ----- -/--	1-20

Further documents are listed in the continuation of Box C.

See patent family annex.

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"A" document defining the general state of the art which is not considered to be of particular relevance

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Date of the actual completion of the international search <b>5 August 2020</b>	Date of mailing of the international search report <b>17/08/2020</b>
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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 <b>Jeampierre, Gérald</b>
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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.
X	US 2015/263902 A1 (HE RUAN [FR] ET AL) 17 September 2015 (2015-09-17) figures 1-2, 3B, 5A, 5B paragraphs [0002], [0014] - [0029], [0103] - [0128], [0141] - [0189] -----	1-20
X	US 2015/026208 A1 (KUHMUENCH CHRISTOPH [US]) 22 January 2015 (2015-01-22) figures 1-2 paragraphs [0001], [0005] - [0006], [0009], [0018] - [0030] claims 1-3 -----	1-20

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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		EP 2901279 A1	05-08-2015
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US 2015026208	A1	22-01-2015	NONE
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