

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference 83763918	FOR FURTHER ACTION		See item 4 below
International application No. PCT/US2014/038059	International filing date (<i>day/month/year</i>) 15 May 2014 (15.05.2014)	Priority date (<i>day/month/year</i>)	
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237			
Applicant HEWLETT PACKARD ENTERPRISE DEVELOPMENT LP			

<p>1. This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).</p> <p>2. This REPORT consists of a total of 5 sheets, including this cover sheet.</p> <p>In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.</p>																								
<p>3. This report contains indications relating to the following items:</p> <table> <tr> <td><input checked="" type="checkbox"/></td> <td>Box No. I</td> <td>Basis of the report</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. II</td> <td>Priority</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. III</td> <td>Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. IV</td> <td>Lack of unity of invention</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>Box No. V</td> <td>Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. VI</td> <td>Certain documents cited</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. VII</td> <td>Certain defects in the international application</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. VIII</td> <td>Certain observations on the international application</td> </tr> </table> <p>4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis .2).</p>	<input checked="" type="checkbox"/>	Box No. I	Basis of the report	<input type="checkbox"/>	Box No. II	Priority	<input type="checkbox"/>	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability	<input type="checkbox"/>	Box No. IV	Lack of unity of invention	<input checked="" type="checkbox"/>	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement	<input type="checkbox"/>	Box No. VI	Certain documents cited	<input type="checkbox"/>	Box No. VII	Certain defects in the international application	<input type="checkbox"/>	Box No. VIII	Certain observations on the international application
<input checked="" type="checkbox"/>	Box No. I	Basis of the report																						
<input type="checkbox"/>	Box No. II	Priority																						
<input type="checkbox"/>	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability																						
<input type="checkbox"/>	Box No. IV	Lack of unity of invention																						
<input checked="" type="checkbox"/>	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement																						
<input type="checkbox"/>	Box No. VI	Certain documents cited																						
<input type="checkbox"/>	Box No. VII	Certain defects in the international application																						
<input type="checkbox"/>	Box No. VIII	Certain observations on the international application																						

	Date of issuance of this report 15 November 2016 (15.11.2016)
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Mineko Mohri
Facsimile No. +41 22 338 82 70	e-mail: pt08.pct@wipo.int

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

PCT

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

To: PATEL, N. MILIN HEWLETT-PACKARD COMPANY INTELLECTUAL PROPERTY ADMINISTRATION 3404 E. HARMONY ROAD, MAIL STOP 35 FORT COLLINS TX 80525 USA

Date of mailing (day/month/year) 12 January 2015 (12.01.2015)

Applicant's or agent's file reference 83763918	FOR FURTHER ACTION See paragraph 2 below
---	--

International application No. PCT/US2014/038059	International filing date (day/month/year) 15 May 2014 (15.05.2014)	Priority date(day/month/year)
---	---	-------------------------------

International Patent Classification (IPC) or both national classification and IPC G06F 17/00(2006.01)i
--

Applicant HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.

1. This opinion contains indications relating to the following items:

- Box No. I Basis of the opinion
- Box No. II Priority
- Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- Box No. IV Lack of unity of invention
- Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step and industrial applicability; citations and explanations supporting such statement
- Box No. VI Certain documents cited
- Box No. VII Certain defects in the international application
- Box No. VIII Certain observations on the international application

2. **FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.
For further options, see Form PCT/ISA/220.

Name and mailing address of the ISA/KR International Application Division Korean Intellectual Property Office 189 Cheongsu-ro, Seo-gu, Daejeon Metropolitan City, 302-701, Republic of Korea Facsimile No. +82-42-472-7140	Date of completion of this opinion 09 January 2015 (09.01.2015)	Authorized officer NHO, Ji Myong Telephone No. +82-42-481-8528
---	--	--



WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/US2014/038059

Box No. I Basis of this opinion

1. With regard to the **language**, this opinion has been established on the basis of :

- the international application in the language in which it was filed
- a translation of the international application into _____ which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b))

2. This opinion has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43*bis*. I(a))

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, this opinion has been established on the basis of a sequence listing filed or furnished:

a. (means)

- on paper
- in electronic form

b. (time)

- in the international application as filed.
- together with the international application in electronic form.
- subsequently to this Authority for the purposes of search.

4. In addition, in the case that more than one version or copy of a sequence listing has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

5. Additional comments:

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/US2014/038059

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	<u>1-15</u>	YES
	Claims	<u>NONE</u>	NO
Inventive step (IS)	Claims	<u>1-15</u>	YES
	Claims	<u>NONE</u>	NO
Industrial applicability (IA)	Claims	<u>1-15</u>	YES
	Claims	<u>NONE</u>	NO

2. Citations and explanations :

Reference is made to the following documents:

D1: US 8627072 B1 (KENNETH J. HENDERSON et al.) 07 January 2014

D2: US 2008-0082540 A1 (CRAIG WEISSMAN et al.) 03 April 2008

D3: US 7333987 B2 (DAVID JUSTIN ROSS et al.) 19 February 2008

D4: US 2012-0096521 A1 (PRASAD PEDDADA) 19 April 2012

D5: EP 1505594 A2 (SONY UNITED KINGDOM LIMITED) 09 February 2005

2.1 Novelty and Inventive Step

2.1.1 Concerning Claims 1-13

2.1.1.1 Independent Claims 1 and 9

Claim 1 differs from D1-D5 in that the method of claim 1 for controlling access to data content comprises: identifying a closure associated with the data content, wherein the data content is bound within the closure, and wherein the closure is parameterized using formal parameters relating to identity of a tenant requesting access to the data content; passing, by an access control system, the tenant data to the closure as actual parameters; and executing the closure based on the tenant data to evaluate access to the data content. And it is not obvious to a person skilled in the art over the documents D1-D5, taken alone or in combination.

Claim 9 relates to a secure access system corresponding to the method of claim 1 and has the same technical features as claim 1. Accordingly, the same reasoning as in claim 1 could be applied to claim 9.

Therefore, claims 1 and 9 are novel and involve an inventive step under PCT Article 33(2) and (3).

Continued on Supplemental Box

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.
Continuation of : Box No. V

2.1.1.2 Dependent Claims 2-8 and 10-13

Claims 2-8 and 10-13 are directly or indirectly dependent on claims 1 and 9 respectively and therefore meet the requirements of PCT Article 33(2) and (3).

2.1.2 Concerning Claims 14-15

2.1.2.1 Independent Claim 14

Claim 14 differs from D1-D5 in that the non-transitory computer-readable medium of claim 14 having a set of computer readable instructions that, when executed, cause an access control system to: determine a closure, wherein the closure, includes and references the data content to be accessed, and further includes tenant related parameters defined as formal parameters; provide the tenant data as a parametric value to the closure; and invoke the closure based on the tenant data to evaluate access to at least a portion of the data content, wherein the portion of the data content for which access is provided is determined based on the tenant data. And it is not obvious to a person skilled in the art over the documents D1-D5, taken alone or in combination. Therefore, claim 14 is novel and involves an inventive step under PCT Article 33(2) and (3).

2.1.2.2 Dependent Claim 15

Claim 15 is dependent on claim 14 and therefore meets the requirements of PCT Article 33(2) and (3).

2.2 Industrial Applicability (PCT Article 33(4))

Claims 1-15 are industrially applicable under PCT Article 33(4).