PATENT COOPERATION TREATY

From the

INTERNATIONAL SEARCHING AUTHORITY

JORDAN, B. Delano Jordan IP Law, LLC 12501 Prosperity Drive, Suite 401 Silver Spring, Maryland 20904 USA		PCT				
		WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1)				
						Date of mailing (day/month/year) 25 September 2019 (25.09.2019)
Applicant's or agent's file reference AB5070-PCT-PCT		FOR FURTHER ACTION See paragraph 2 below				
International application No. PCT/US2019/027659 International filing date 16 April 2019 (16.0)		1.2019)	Priority date(day/month/year) 08 November 2018 (08.11.2018)			
International Patent Classification (IPC) of G06F 9/50(2006.01)i, G06F 11/30(2006.01)i		tion and IPC				
Applicant INTEL CORPORATION						
Box No. I Basis of the opin Box No. II Priority Box No. III Non-establishm Box No. IV Lack of unity of Box No. V Reasoned stater citations and exp Box No. VI Certain documed Box No. VII Certain defects Box No. VIII Certain observa 2. FURTHER ACTION If a demand for international prelimin International Preliminary Examining and opinions of this International Searchir If this opinion is, as provided above, of IPEA a written reply together, where a	o. II Priority o. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability o. IV Lack of unity of invention o. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step and industrial applicability; citations and explanations supporting such statement o. VI Certain documents cited o. VII Certain defects in the international application o. VIII Certain observations on the international application o. VIII Certain observations on the international application ACTION or international preliminary examination is made, this opinion will be considered to be a written opinion of the Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority is one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written its International Searching Authority will not be so considered. a is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the n reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing IISA/220 or before the expiration of 22 months from the priority date, whichever expires later.					

Name and mailing address of the ISA/KR International Application Division Korean Intellectual Property Office 189 Cheongsa-ro, Seo-gu, Daejeon, 35208, Republic of Korea Facsimile No. +82-42-481-8578

Date of completion of this opinion Authorized officer

25 September 2019 (25.09.2019)

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RO	x No.	1 Basis of this opinion
1.	With	a regard to the language, this opinion has been established on the basis of:
	\boxtimes	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 <i>bis</i> .1(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:
	a	forming part of the international application as filed: in the form of an Annex C/ST.25 text file. on paper or in the form of an image file.
	b	furnished together with the international application under PCT Rule 13ter.1(a) for the purposes of international search only in the form of an Annex C/ST.25 text file.
	c	furnished subsequent to the international filing date for the purposes of international search only: in the form of an Annex C/ST.25 text file (Rule 13ter.1(a)).
		on paper or in the form of an image file (Rule 13 <i>ter</i> .1(b)) and Administrative Instructions, Section 713).
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 forming part of the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
5.	Addit	tional comments:

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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

Claims	1-30	YES
Claims	NONE	NO
Claims	1-30	YES
Claims	NONE	NO
Claims	1-30	YES
Claims	NONE	NO
	Claims Claims Claims Claims	Claims NONE Claims 1-30 Claims NONE Claims 1-30

2. Citations and explanations:

Reference is made to the following documents:

D1: US 2018-0034924 A1 (POLYBIT INC.) 01 February 2018

D2: US 2018-0254998 A1 (ALCATEL LUCENT) 06 September 2018

D3: US 2018-0115551 A1 (BRIAN COLE) 26 April 2018

D4: US 10121021 B1 (CAPITAL ONE SERVICES, LLC) 06 November 2018

D5: US 2018-0113793 A1 (INTERNATIONAL BUSINESS MACHINES CORPORATION)

26 April 2018

I. Novelty and Inventive Step (PCT Article 33(2) and (3))

1. Claims 1-14

The subject matter of claim 1 differs from these prior art documents in that at least one non-transitory computer readable storage medium in claim 1 comprises: analyzing a plurality of parameters associated with a plurality of functions and a plurality of parameters associated with a plurality of computing resources; storing the plurality of functions and analysis of the plurality of parameters associated with the plurality of functions and the plurality of computing resources in one or more networking and storage subsystems in a computing system; and securing the execution of the plurality of functions by one or more security subsystems in the computing system. And it is not obvious to a person skilled in the art by the documents, taken alone or in combination.

Claims 2-14 are dependent on claim 1.

Therefore, claims 1-14 are novel and involve an inventive step.

2. Claims 15-28

Continued on Supplemental Box

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Box No. VIII Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:
Claim 1 relates to at least one non-transitory computer readable storage medium, but claims 2-14 directly or indirectly dependent on claim 1 relate to the at least one computer readable storage medium. As claims 2-14 are unclear and do not clearly define the matter for which protection is sought, claims 2-14 do not meet the requirements of PCT Article 6. (Note: The international search report and the written opinion have been established on the assumption that "the at least one computer readable storage medium" in claims 2-14 is regarded as "the at least one non-transitory computer readable storage medium".)

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Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of : Box No. V

Claims 15-28 relate to a semiconductor apparatus. Since the features of claims 15-28 are substantially the same as those of claims 1-14, the same reasoning as in claims 1-14 can be applied to claims 15-28.

Therefore, claims 15-28 are novel and involve an inventive step.

3. Claim 29

Claim 29 relates to a system. Since the features of claim 29 are substantially the same as those of claim 1, the same reasoning as in claim 1 can be applied to claim 29.

Therefore, claim 29 is novel and involves an inventive step.

4. Claim 30

Claim 30 relates to a method. Since the features of claim 30 are substantially the same as those of claim 1, the same reasoning as in claim 1 can be applied to claim 30.

Therefore, claim 30 is novel and involves an inventive step.

II. Industrial Applicability (PCT Article 33(4))

Claims 1-30 are industrially applicable.