

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 36100-WO-17	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. PCT/IL2017/050277	International filing date (<i>day/month/year</i>) 07 Mar 2017	(Earliest) Priority Date (<i>day/month/year</i>) 08 Mar 2016
Applicant B. G. NEGEV TECHNOLOGIES AND APPLICATIONS LTD., AT BEN-GURION UNIVERSITY		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 4 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out 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)).

b. This international search report has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43.6bis(a)).

c. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. **Certain claims were found unsearchable** (see Box No. II).

3. **Unity of invention is lacking** (see Box No. III).

4. With regard to the **title**,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2, by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. I

as suggested by the applicant.

as selected by this Authority, because the applicant failed to suggest a figure.

as selected by this Authority, because this figure better characterizes the invention.

b. none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL2017/050277

A. CLASSIFICATION OF SUBJECT MATTER

IPC (2017.01) G06F 21/56, G06F 21/60, G06F 21/55, G06F 21/50

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 (2017.01) G06F 21/56, G06F 21/60, G06F 21/55, G06F 21/50, H04L 29/00, G06F 11/00, G06F 12/14

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)

See extra sheet.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2007277241 A1 SYMANTEC CORPORATION 29 Nov 2007 (2007/11/29) Abstract, ¶¶ 0008, 0022, 0023, 0061, 0062	1-7
Y	US 2014047544 A1 JAKOBSSON BJORN MARKUS 13 Feb 2014 (2014/02/13) Abstract, ¶¶ 0024, 0025, 0028, 0029, 0039, 0040, 0046, 0051-0055, 0063, Fig 6	1-7
A	US 8904525 B1 Hodgman et al. 02 Dec 2014 (2014/12/02) Entire Document	1-7
A	US 2013227636 A1 APPTHORITY INC 29 Aug 2013 (2013/08/29) Entire Document	1-7
A	US 2013111547 A1 SCARGO INC 02 May 2013 (2013/05/02) Entire Document	1-7

 Further documents are listed in the continuation of Box C. 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

"P" document published prior to the international filing date but later than the priority date claimed

"T" 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

"X" 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

"Y" 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

Date of the actual completion of the international search

11 Jun 2017

Date of mailing of the international search report

14 Jun 2017

Name and mailing address of the ISA:

Israel Patent Office

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INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No. PCT/IL2017/050277
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Patent document cited search report	Publication date	Patent family member(s)	Publication Date
US 2007277241 A1	29 Nov 2007	US 2007277241 A1	29 Nov 2007
		US 7870394 B2	11 Jan 2011
US 2014047544 A1	13 Feb 2014	US 2014047544 A1	13 Feb 2014
		US 9411955 B2	09 Aug 2016
US 8904525 B1	02 Dec 2014	US 8904525 B1	02 Dec 2014
US 2013227636 A1	29 Aug 2013	US 2013227636 A1	29 Aug 2013
		US 8918881 B2	23 Dec 2014
		US 2015143455 A1	21 May 2015
		US 9438631 B2	06 Sep 2016
		WO 2013126259 A1	29 Aug 2013
US 2013111547 A1	02 May 2013	US 2013111547 A1	02 May 2013
		US 9223978 B2	29 Dec 2015
		US 2015350237 A1	03 Dec 2015
		US 9460285 B2	04 Oct 2016
		US 2016373486 A1	22 Dec 2016
		WO 2013063474 A1	02 May 2013

B. FIELDS SEARCHED:

* Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

Databases consulted: Esp@cenet, Google Patents

Search terms used: malicious code, malware, internet of things device, iot device, device, cloud, network, extract, copy, audit, check, verify, screen, scan, monitor, memory, cache, data, integrity