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(54) Title: ARDBIT SOFTWARE

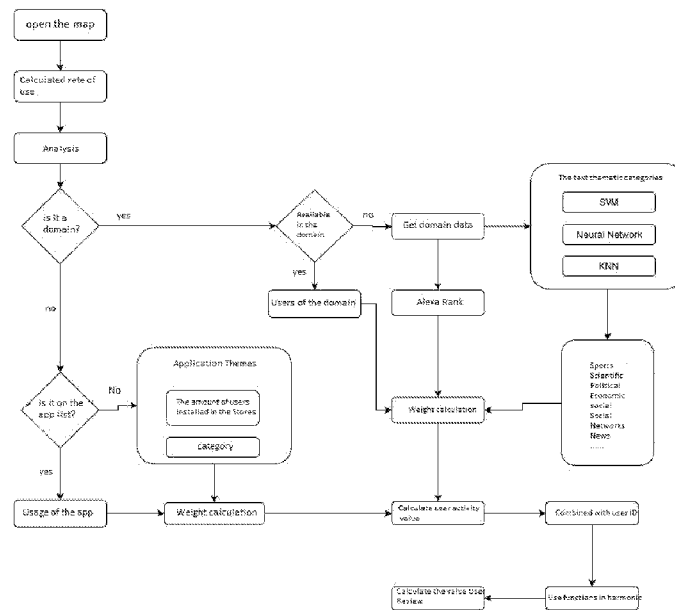


Fig.1

(57) Abstract: The Ardbit software puts all the virtual and digital activities of users on one page and the user can be aware of its digital and digital activities such as internet activity, applications, etc. and reporting and reporting and reporting all its activities. This software can be used online to compute the digital value of each individual and credit it, and the user can use it as capital and credit while saving it can also be able to make the value offline and validate his activity. The value of activities is that as the individual enters the system, the digital purse is created for the individual and all individual activities are valued in the digital form of the code. " Ardbit ", means that by increasing the value of digital credit, it can use it to create a virtual business or other software, such as purchasing and selling goods, exchanges, etc.



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## Description

### Title of Invention: Ardbit software

[0001] The Ardbit software puts all the virtual and digital activities of users on one page and the user can be aware of its digital and digital activities such as internet activity, applications, etc. and reporting and reporting and reporting all its activities. This software can be used online to compute the digital value of each individual and credit it, and the user can use it as capital and credit while saving it can also be able to make the value offline and validate his activity. The value of activities is that as the individual enters the system, the digital purse is created for the individual and all individual activities are valued in the digital form of the code. digital value, called " Ardbit ", means that by increasing the value of digital credit, it can use it to create a virtual business or other software, such as purchasing and selling goods, exchanges, etc.

#### Technical Field

[0002] In the field of information technology to value users' activities in cyberspace / physics(G) information and communication technology (G16Y) - Arrangements for software engineering (G06F 8/00)

#### Background Art

[0003] Currently, only the Opera browser has this integration feature on its page, but no software or system has been found that by integrating internet activities on its page, can provide users with reports and statistics on activities and value the activities. while they do not have an internet resume maker, and don't allow users to launch a business and try their professional and career interests.

[0004] In addition, there are applications that only show the amount of bandwidth used by the user, so that the user can determine how much of the bandwidth is used by their applications, but these applications provide no idea of how the user is utilizing them.

[0005] in the field of patent applications, examples of software are available only in very few cases and are as follows:

[0006] Virtual validation of software systems

[0007] United States Patent Application 20080178144

[0008] A method for building and verifying and validating a software system that is used for regulated industry software related activities, such as FDA trials, field trials, biomedical data gathering, and similar efforts includes building the application into a virtual appliance using, for example, VMware. The application and the supporting software are encapsulated in a single virtual file to create a virtual appliance that is independent of hardware and dependent only on virtual appliance support.

[0009] In the above design is a software tool for creating and verifying a software system for

a compressed data activity, such as creation of a user 's credit program for software and special validation for software based on user requirements.

[0010] But in “Ardbit” can be valued by users in cyberspace and their mastery of virtual space can be measured by this idea.

[0011] Monitoring and analysis of data in cyberspace

[0012] United States Patent 6222547

[0013] Information from monitored systems is displayed in three dimensional cyberspace representations defining a virtual universe having three dimensions. Fixed and dynamic data parameter outputs from the monitored systems are visually represented as graphic objects that are positioned in the virtual universe based on relationships to the system and to the data parameter categories. Attributes and values of the data parameters are indicated by manipulating properties of the graphic object such as position, color, shape, and motion.

[0014] the above plan is a software of monitoring and analysis of data in cyberspace and it is used in the three - dimensional space. While "Ardbit" software gives value to users' activities in cyberspace

[0015] It has not been found in this area according to an invention that integrates the virtual activity of the users and has not been found on the basis of these values as well as a digital personal resume for the person, all inventions in the domain and the scope of the two architectures which I avoided.

### **Summary of Invention**

[0016] This software is capable of displaying all internet and digital and cyberspace activities of any individual or group on one page, reporting and statistics on any kind of cyberspace activity and value any activity and give to the user an "Ardbit" per activity's credit. so that the user, while having a resume and digital skill, can create jobs and advertise, launch and develop individual or group businesses, and on the other hand everyone can examine their abilities by launching their favorite business. In fact, it helps people choosing and setting up their own careers or interests while teaching them the skills and jobs. And, this "Ardbit" credit can be used to market or exchange goods. In addition, you can buy and sell goods in the market and service stores with a discount, through this software.

[0017] This software has easy access to cyberspace and internet tools and the user can access these virtual and digital tools through topic categories such as Ardhome, Ardbank, Ardnews, etc. and the user can exchange his/her Ardbit. He can also connect to the country's national internet in case the global internet is disconnected and use internal search engines.

[0018] The user can also have a digital skill resume in addition to a technical skill resume

and use it in the future as a digital resume and have a technical and digital business card and use this skill resume and business card for job and employment. All the available software on the phone or any digital tool at virtual space can be added to this software.

### **Technical Problem**

- [0019] Today's world is known for its extensive communication between individuals. A significant part of our lives is determined by these social relationships, and the higher the quality of those relationships, the better the quality of life and consequently the business area. At present, however, it is impossible to imagine communication between humans without new means of communication and digital technologies. Each of us spends some time in social networks and take on different roles in family, social, work, and so on. Although social networks are not very long-lived, they play a vital role in people's daily lives, and many users visit their social network pages at least once a day. So, paying attention to them is so important. The amount of activity and use of browsers and social networks, as well as cyberspace, is not determined to users and they cannot effectively use this space, and no software is designed to determine users' activity to let users know and manage their activity amount. There are some browsers in this regard, but they also have problems as follows:
- [0020] Problem1: Currently browsers like Internet Explorer, Firefox, etc. search for information and have features like email, etc., but these browsers are not able to report and statistics on internet activities on their page, and they can't even provide statistics of all Internet activities such as Google, Instagram, etc.
- [0021] Problem2: Business start-up is usually a major concern for people due to the high cost and lack of marketability of the product, especially if the business is a new one, as an entrepreneur must pay the costs of production and so on, and must pay the costs of marketing and selling it (such as fare, rent, etc.), until perhaps sell his product and to benefit, which has led to fewer people going into entrepreneurship.
- [0022] Problem3: Selecting a job is one of the concerns of teenagers and even young people, and, they usually fail because of not knowing the risks of that job. If there was an environment where they could test their jobs to get to know the hardships, they could be much more successful in choosing their jobs. It has been seen, for example, that one has entered the nursing profession because of a love for that, but has quit the profession because of not knowing the difficulty of the job because he has not been able his interest in a simulated environment to test for see whether he can succeed in this job or no?
- [0023] Problem4: Many of the old careers have gone obsolete due to the evolution of the information and technology world. Maybe in the past, people needed professions like the

telephone operator, but those jobs have diminished now because of the technology and the internet. People one day it was needed to go from place to place for treatment, but now it is no longer needed and the doctor can be treating his patient from his workplace or home, which is why all activities have gone to towards the internet and cyberspace. Internet use is a capability and privilege for people, but currently, it is not recorded what abilities they have at using it, indeed there is no resume and digital history of virtual and digital skill and credit.

- [0024] Problem5: As the world is go towards use the internet and virtual and digital worlds; businesses, no longer need to in-person communication for marketing and people start trading with advertisement in Instagram and Telegram, and in the near future there is need for a physical store or shop is less felt. Now there is no place to start an internet business centrally, Iranian site & software like "Divar" and foreign site & software like "Offer Up" and so on only advertise the product and It is not possible for people to set up an online store, unless they pay the startup costs.
- [0025] With all these interpretations, "Ardbit" software is able to display all internet and cyberspace activities such as using search engines and cyberspace tools and so on, and it can report on any kind of online and virtual activity and give value it. In "Ardbit" without any time & money cost give to user a digital credit equal of any activity in cyberspace, (except for the cost of sending achieved credits on the phone and etc. to "Ardbit" system which is very low). In this software you can give users digital credit called "Ardbit". So that any user can have a digital resume and skill, and can also create jobs, advertisements and businesses or transfer and exchange their "Ardbit" credentials. On the other hand, anyone can determine whether he can succeed in this job or not by launching their own business? And in fact, "Ardbit" helps him for choose a future skill while teaching him to learn the profession.
- [0026] Hence the capabilities of this software are as follows:
- [0027] Self-employment in "Ardbit"
- [0028] Job creation through new ideas
- [0029] The efflorescence of people's talents in creating and developing the business environment
- [0030] Registering and displaying users' virtual activity to determine their skill and job selection
- [0031] Promoting the culture of individual and teamwork
- [0032] Starting up and developing a business in cyberspace
- [0033] Making Change in the culture of employment and entrepreneurship
- [0034] User activity in the cyberspace is given value and credibility
- [0035] Easy access and topic categorization of virtual and internet activities to facilitate users' work in cyberspace

[0036] Determining the access level for both children and adult users

**Solution of problem**

[0037] These days we can see a large number of smartphone users on social networks. So many business owners and managers try to introduce their products and services to promote their businesses through these networks. Individuals are also keen to know the extent of their cyberspace activity so that the software can report and value all users' activities at once. The software is generally described as follows:

[0038] Every device or hardware in the digital world has its own unique hardware code. Therefore, the basis for producing a digital identity in this system is the hardware ID code of each individual by which enters the system.

[0039] When a user enters the system, a digital wallet is created for him/her and all his/her activities are value in digital code format.

[0040] Anyone can run all their activities in cyberspace such as social networks, computer games, etc. through this app and have a digital value and credit.

[0041] The digital value and credit in this system is done by the users themselves, so the digital wallet of the individual has a digital value called "Ardbit".

[0042] By increasing the value of digital credit, the user can use it to launch a virtual business or use other software facilities.

[0043] Anyone can digitally value and credit their activities in the following methods:

[0044] can upload all of their most application such as social networks to their personal page. In this way, the individual receives a digital value and credit "Ardbit" per his/her activity.

[0045] The personal page has a business field. Anyone can upload all of their executive activities, advertisements and businesses. The system uploads individual activities to the homepage and makes it available to others by category.

[0046] One can visit his activity diagram and "Ardbit" inbox, online and instantly.

[0047] One can use his / her personal page as a messenger to chat and share information with others and receive "Ardbit".

[0048] One can activate the "My skill" icon and thereby the system enters him into the business area.

[0049] This area contains a personal page with various options in the business production and development area

[0050] As a result, each user can create their own business area at different levels by using the tools on this page and making it available to others through the advertising link.

[0051] On this page, anyone can get help from others to develop their business and associate with them.

[0052] All in all, the main goal here is to create a business in cyberspace fitting the real space.

[0053] Every user can expand their business area besides selling products or providing related services. The expansion of the business area enhances one's work and credits the business area, too.

[0054] Each user can create their own business space at various levels from the lowest level to the most modern level, depending on the individual's business activity.

### **Advantage effects of invention**

[0055] Value and credit users' activities in cyberspace

[0056] Entrepreneurship in the virtual world

[0057] to realize individual dreams

[0058] Record and viewing offline and online of users ' activity in cyberspace

[0059] Ability activity offline and online for to receive digital credit

[0060] log and show users ' virtual activity to determine skills and choose jobs

[0061] generating virtual and digital skill business cards

[0062] Production of resume for digital and technical skills

[0063] Employment via virtual and internet skills

[0064] Integration of virtual and internet activities

[0065] Cultivation and education

[0066] Individual and group income

[0067] employment and determine the level of digital skill per person or group

[0068] search job intelligence and ....

[0069] Production of bit or currency or digital credit "Ardbit" via mobile phone or other digital devices

[0070] Exchange and transfer of "Ardbit" for the purchase and sale of merchandise and etc.

[0071] Savings up "Ardbit" on investing in businesses and or buying and selling

[0072] The ability to save money for the future of children or elders through insurance or inheritance and etc.

[0073] buying and selling goods and "Ardbit" credit.

[0074] Starting and developing internet and virtual businesses through market and service stores, etc.

[0075] Collaborative and collaboration in jobs, etc.

[0076] Opportunity for all people to launch and develop online and digital business such as shops, workshops, offices, etc.

[0077] reporting and statistics on internet and virtual activities via dashboard

[0078] Easy access and thematic categorization of virtual and internet activities to facilitate the operation of cyberspace users through the categories of Ardhome, Ardbank, Ardfilm, ArdTV, Ardmovie, Ardmusic and etc.

[0079] Easy shopping from the stores and services, and the new payment using the value and validity collected by the "Ardbit".

- [0080] Determining the level of use for children and adults
- [0081] The ability to search and access the nation 's national internet in the event of global Internet interruption
- [0082] The functionality of adding any software and other app on the software is "Ardbit".
- [0083] Valuing users' virtual activity to choose their future career
- [0084] Measure users' virtual activity to determine the level of literacy and digital
- [0085] Evaluate the virtual activity of users for the right job application in companies and organizations
- [0086] Provide a report of users' virtual activity to manage their time and data usage.
- [0087] Setting up a virtual business through advertising
- [0088] The collection of virtual credit and the reduction of purchase expenses (discounts available)
- [0089] Start and development of virtual and digital business
- [0090] Virtual and Digital Trading Without Goods
- [0091] A Virtual and Digital Trading Without Passage
- [0092] Selling virtual shops and stores

### **Brief Description of Drawings**

- [0093] [Fig.1]: Block diagram of software Ardbit

### **Description of Embodiments**

- [0094] [Fig.1]: to calculate the user 's perceived value, we first calculate the user 's usage of the domain or application required in the user.
- [0095] After calculating the usage time of the user, we use different approaches according to whether the user has used a website or an application.
- [0096] If the user has been using a domain, we study the scope of the desired scope so that we collect the domain information and analyze the information contained in it. first using different methods of artificial intelligence, we classify the website. this classification is done using a number of methods such as the support vector machine, neural networks, KNN and other methods.
- [0097] We will address the use and references of users in the world after a web site classification. For this purpose, we consider the azimuth range of the desired range.
- [0098] Using these two values, we obtain the value of the range of the desired range and the range of the amplitude of the amplitude.
- [0099] After obtaining the domain weight, we compute the value gained by the user.
- [0100] If the user has used an application to weighting the application to the application, we first use existing algorithms using existing algorithms and then compute the use of the user 's usage of the program according to the program 's installation of the program 's stores.

[0101] After calculating the perceived value of the user using the cryptographic functions and the use of encryption algorithms as well as using ID or the user 's unique feature, we compute and publish the unique string of the user 's perceived value given the weight of the domain or the program.

### **Examples**

[0102] This software can be easily installed and used on mobile phones, computers etc. at any time and place. Users only need to install this software and have internet access so they can set up and develop businesses. They can generate income and control and manage their cyberspace. And on the other hand, they have digital skills, digital credentials and more.

### **Industrial Applicability**

[0103] This software is used in cyberspace on mobile and so on and every person is able to value their cyberspace activity. and gain credibility and value in the name of "Ardbit", and through this credit, start up and develop a business, and Anyone can also buy or exchange goods through this credit.

[0104] Anyone working in cyberspace can gain their digital skill level and share that digital skill with others, and can also choose their career interests more accurately in the future.

[0105] Users can get their products from "Ardbit" stores with discounts, and they can also select easily access their requirements in internet by the categories. the most popular apps Integrate yourself in the "Ardbit" software homepage.

[0106] The user can also connect to the national internet of his country if the global internet is disconnected and use the national search engines.

## Claims

- [Claim 1] What is claimed is "Ardbit" software that can place all the virtual and digital activities of the users on one page and the user can access and make report all of his virtual and digital activities such as internet activity, applications activity, etc. in an electronic tool such as mobile and manage his activities and all activities can be value and credit. It can also record users' virtual activity for skill level (digital literacy) and job selection.
- [Claim 2] According to claim 1, the basis of digital credit and value in this system is the users' activity in digital and virtual space without any time and financial cost for the user through electronic tools such as mobile. except the cost of sending achieved credits on the phone to "Ardbit" system which is very low. And also the basis of generating a digital identity in this system is the hardware ID code of each individual such as a mobile phone and so on by which enters the system.
- [Claim 3] According to claim 2, the valuation of activities is such that when an individual enters the system, a digital wallet is created for him/her and all his/her activities are value in digital code format.
- [Claim 4] According to claim 3, all virtual activities of users including social networks, computer games, etc. are recorded in electronic devices such as mobile, etc. through this software and give themselves digital value by working in the virtual space. and in fact, every person has a digital credit and capital called "Ardbit".
- [Claim 5] According to claim 4, the digital value and credit in this system is done by the users themselves and the digital wallet has a digital value called "Ardbit" which by increasing the value of digital credit the user can to launch or develop a virtual business, also can use other software features such as trading, exchange and so on.
- [Claim 6] According to claim 5, the digital value and credit is performed by the user in various methods, which is as follows: Through uploading their own consumable tools such as social networks and etc. at their personal page, uploading any application on their personal page, uploading all of executive activities on their personal page, their games on the personal page and using the personal page as a messenger to chat and share information and etc. so that the user can visit their activities diagram and "Ardbit" inbox, online and instantly. The user can also use the fields defined in this software such as Ardbank, Ardfilm, etc. that facilitates

their requirements integrally, and while satisfying their needs, get a credit called "Ardbit".

[Claim 7] According to claim 5, this software is able to search the internet through national and international search engines and give digital credibility to his activity, and when the international internet is disconnected the user can meet his search requirements by selecting local or national search engines.

[Claim 8] According to claim 7, every user with a daily credit can receive and provide services in addition to market products. And the expansion of the business area has juiced up the work of the individual or group and has given credit to the business environment. And any user can create their own business area at different levels from the lowest such as digital shop to the most modern such as digital marketplace, and this depends on their activity in the business environment.

[Claim 9] According to claim 1, everyone's personal page has a "My Skills" field, where users can upload all their executive activities, thereby Advertising and marketing their activities, and the system uploads the individual's activities on the homepage for others, based on the selected category. And, in fact, it can be on the technical and digital skill resume, as well as the virtual and digital skill resume. Or have a business card of technical and digital skills through the "Skill Card" field.

[Claim 10] According to claim 1, this software can calculate and validate the digital value of each individual's activity online, and the user can use it as capital and credit while saving it. It may be able to do this value and credit offline and credit his activity.

[Fig. 1]

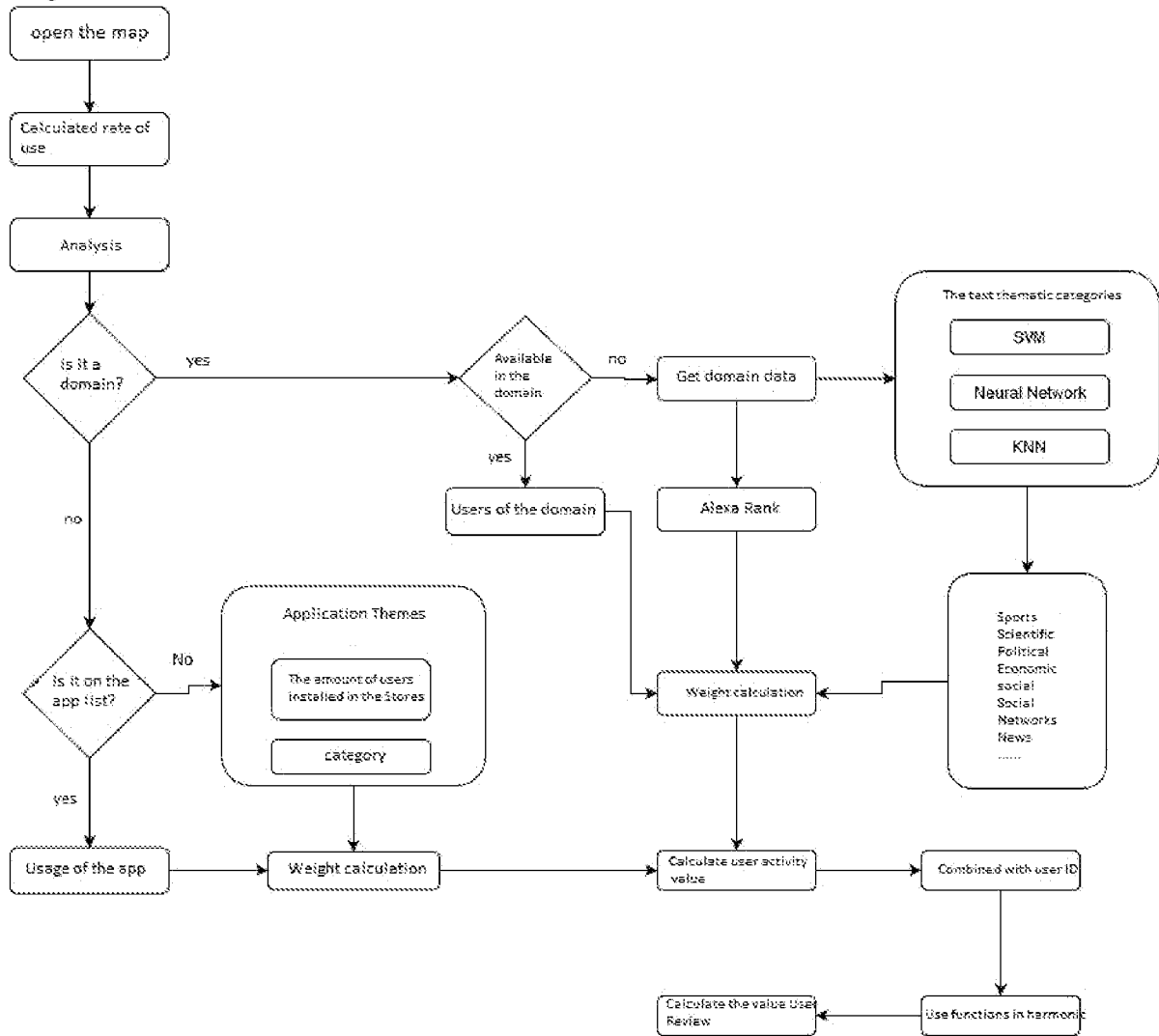


Fig.1

## INTERNATIONAL SEARCH REPORT

International application No.  
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A. CLASSIFICATION OF SUBJECT MATTER G06F8/00, G16Y40/30, G06Q30/02 Version=2020.01		
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) G06F, G16Y, G06Q		
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) Databases: TotalPatent One, IPO Internal Database Keywords: online activity, monitoring, tracking, reward, software		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US20200053099A1 (WEBSAFETY INC) 13 February 2020 (13-02-2020) (Abstract; Paragraphs [0003] - [0017], [0102]-[0105], [0107]-[0112], [0119]-[0150]; Claims 1-23)	1-10
Y	US20140280915A1 (NEVADA FUNDING GROUP INC) 18 September 2014 (18-09-2014) (Abstract; Paragraphs [0004]- [0007], [0052] - [0147]; Claims 1-14)	1-10
Y	WO2013009921A1 (PRODEGE, LLC et al.) 17 January 2013 (17-01-2013) (Page 11 lines 17-25, Page 15 line 12 - Page 16 line 31; Figures 2, 4-6; Claims 1-20)	1-10
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.		
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Information on patent family members

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US 20200053099 A1	13-02-2020	WO 2016210327 A1	29-12-2016
		AU 2016283117 A1	25-01-2018
		CA 2990184 A1	29-12-2016
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