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व्यापार चिह्न/TRADE MARKS|भौगोलिक
उपदर्शन/GEOGRAPHICAL INDICATIONS

सत्यमेव जयते

भारत सरकार
GOVERNMENT OF INDIA

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सं.संख्या/Ref.No /आवेदन संख्या/Application No/ 202141046213 दिनांक/Date of Dispatch/Email: 24/03/2022

सेवा मे,/To
DR.K.RANJITH KUMAR,
DR.K.RANJITH KUMAR, PROFESSOR(CAS), DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING, GOVERNMENT COLLEGE OF TECHNOLOGY, COIMBATORE - 641013, TAMILNADU, INDIA. ranjith.kovai@gmail.com
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विषय: एकस्व अधिनियम, 1970 की धारा 12 व 13 तथा एकस्व नियम, 2003 के अधीन परीक्षण रिपोर्ट
Subject: Examination report under sections 12 & 13 of the Patents Act, 1970 and the Patents Rules, 2003.

1. उपर्युक्त आवेदन के संदर्भ मे परीक्षण रिपोर्ट (अर्थात, एकस्व नियम, 2003 (यथा संशोधित) के नियम 24-ख(3) में विनिर्दिष्ट आपत्तियों का प्रथम कथन) इसके साथ संलग्न है। यह रिपोर्ट परीक्षण हेतु अनुरोध दिनांक 11/10/2021 के उत्तर मे जारी की गयी है। परीक्षण रिपोर्ट का उत्तर दाखिल करने की अंतिम तिथि (अर्थात, इस रिपोर्ट में लगाई गयी सभी आवश्यकताओं के अनुपालन की अवधि) आवेदक को आपत्तियों का प्रथम कथन जारी होने की तिथि से छः माह है।
   Please find enclosed herewith an Examination Report (i.e. a first statement of objections as specified in Rule 24-B(3) of The Patents Rules, 2003 (as amended)) in respect of above-mentioned application. This report is issued with reference to a request for examination dated 11/10/2021.The last date for filing a response to the Examination Report (i.e. a period to comply with all the requirements raised in this examination report) is six months from the date on which the first statement of objections is issued to the Applicant.

2. यदि रिपोर्ट के अंतर्गत लगाई गयी आवश्यकताओं का अनुपालन एकस्व नियम, 2003 (यथा संशोधित) के नियम 24 ख(5) में विनिर्दिष्ट अवधि के भीतर अंदर अनुपालन नहीं किया गया तो एकस्व अधिनियम 1970 की धारा 21(1) के अधीन वर्तमान आवेदन को परित्यक्त माना जाएगा।
   The instant application shall be deemed to have been abandoned under Section 21(1) of The Patents Act, 1970, unless all the requirements raised in this report are complied with in the period as specified in Rule 24-B (5) of The Patents Rules, 2003 (as amended).

3. आपका ध्यान एकस्व नियम, 2003 के नियम 24 ख(6) के प्रावधानों की ओर भी आमंत्रित किया जाता है।
   Your attention is also invited to the provisions of Rule 24-B (6) of the Patents Rules 2003.

4. आपको सलाह दी जाती है कि शीघ्र निपटान हेतु अपना उत्तर शीघ्र प्रस्तुत करें।
   You are advised to file the reply at the earliest for early disposal.

Ankur Agarwal
नियंत्रक पेटेंट/ Controller of Patents

संलग्न/Enclosed: अपरोक्त अनुसार/As above

टिप्पणी: यह इलेक्ट्रोनिक रूप से उत्पन्न रिपोर्ट है।
NOTE: This is an electronically generated report.

सभी पत्राचार नियंत्रक एकस्व को उपरोल्लिखित पते पर भेजा जाये।
All communications should be sent to the Controller of Patents at the above mentioned address.

THE PATENT OFFICE

परीक्षण रिपोर्ट /Examination Report

आवेदन संख्या /Application Number	202141046213
दाखिल करने की तिथि /Date of Filing	11/10/2021
पूर्विक्ता दिनांक /Date of Priority	--
पीसीटी अंतर्राष्ट्रीय आवेदन की संख्या व दिनांक / PCT International Application No. & Date	--
आवेदक /Applicant	Dr.K.Ranjith kumar
परीक्षण हेतु अनुरोध की संख्या व दिनांक /Request for Examination No. & Date	R20214034268 11/10/2021
प्रकाशन की तिथि /Date of Publication	03/12/2021

इस परीक्षण रिपोर्ट के चार भाग हैं, अर्थात रिपोर्ट का सारांश, विस्तृत तकनीकी रिपोर्ट, औपचारिक आवश्यकताएँ तथा रिकॉर्ड मे दस्तावेज़ /
This examination report consists of four parts, namely summary of the report, detailed technical report, formal requirements and documents on record.

भाग -1: रिपोर्ट का सारांश
PART-I: SUMMARY OF THE REPORT

क्र. सं. /Sl. No.	अधिनियम के तहत आवश्यकताओं पर विस्तृत टिप्पणियां /Requirements under the Act		दावों की संख्या /Claim Numbers	टिप्पणी /Remarks
1.	धारा 2(1)(ज) के तहत आविष्कार /Invention u/s 2(1)(j)	नवीनता /Novelty	दावे /Claims: 1-10	हाँ /Yes
			दावे /Claims:	नहीं /No
		आविष्कारी कदम / Inventive step	दावे /Claims:	हाँ /Yes
			दावे /Claims: 1-10	नहीं /No
		औद्योगिक उपयोगिता /Industrial Applicability	दावे /Claims: 1-10	हाँ /Yes
			दावे /Claims:	नहीं /No
2.	धारा 3 के अधीन पेटेंट-अयोग्यता (यदि हाँ, खंड 3(क-त) /Non-patentability u/s 3 (if yes, specify section3(a-p))		दावे /Claims: 1-10	हाँ /Yes k
			दावे /Claims:	नहीं /No
3.	[धारा 10(5) व 10(4) (ग)] के अधीन दावे /Claims [u/s 10(5) & 10(4) (c)]	स्पष्टता/ संक्षिप्तता /Clarity / Conciseness	दावे /Claims:	हाँ /Yes
			दावे /Claims: 2-10	नहीं /No
		परिभाषिकता /Definitive	दावे /Claims:	हाँ /Yes
			दावे /Claims: 2-10	नहीं /No

भाग –II विस्तृत तकनीकी रिपोर्ट
PART-II: DETAILED TECHNICAL REPORT

क. उद्धरित दस्तावेजों की सूची /A.List of documents cited:

(क) पेटेंट साहित्य / (a). Patent Literature :

क्र. सं. / Sl.no	दस्तावेज़ों का विवरण /Details of documents	प्रकाशन तिथि(दिन/माह/वर्ष) / Publication date	उद्धरित दस्तावेज़ का प्रासंगिक विवरण (पृष्ठ व अनुच्छेद संख्या) / Relevant description (page and paragraph no.) of cited document	उद्धरित दस्तावेज़ के प्रासंगिक दावे / Relevant claims of cited document	अभिकथित आविष्कार के दावे /Claims of alleged invention
1	D1:US9318108B2	19/04/2016	Whole Document	1-48	1-10

2	D2:US11089146B2	29/06/2017	Whole Document	1-34	1-10

(ख) गैर-पेटेंट साहित्य /(b).Non-patent literature

कोई दस्तावेज़ उद्धृत नहीं है /No Document Cited

ख. अधिनियम के तहत आवश्यकताओं पर विस्तृत टिप्पणियां /B. Detailed observations on the requirements under the Act:

(1).आविष्कारी कदम / INVENTIVE STEP:

(I) ऊपर उद्धरित दस्तावेज़(जों) के संदर्भ D1,D2 मे स्पष्ट अध्यापन(नों) को ध्यान मे रखते हुए, निम्नलिखित कारणों से दावा(वों) (1-10) मे आविष्कारी कदम की कमी है
Claim(s) (1-10) lack(s) inventive step, being obvious in view of teaching (s) of cited document(s) above under reference D1,D2 for the following reasons:

Document D1 discloses the claims of application as an automated assistant operating on one or more computing devices, the automated assistant comprising an input device, for receiving user input a language interpreter component, for interpreting the received user input to derive a representation of user intent a dialog flow processor component, for identifying at least one task based at least in part on the derived representation of user intent a services orchestration component, for calling at least one service for performing the identified task; and an output processor component, for causing a first output to be displayed prior to receiving the user input, and for causing a second output to be displayed based on data received from the at least one called service wherein the first output comprises a plurality of core competencies of the automated assistant and an example of a natural language input for invoking each of the plurality of core competencies.

Intelligent automated assistant systems may be configured, designed, and/or operable to provide various different types of operations, functionalities, and/or features, and/or to combine a plurality of features, operations, and applications of an electronic device on which it is installed. In some embodiments, the intelligent automated assistant systems of the present invention can perform any or all of: actively eliciting input from a user, interpreting user intent, disambiguating among competing interpretations, requesting and receiving clarifying information as needed, and performing (or initiating) actions based on the discerned intent. Actions can be performed, for example, by activating and/or interfacing with any applications or services that may be available on an electronic device, as well as services that are available over an electronic network such as the Internet. In various embodiments, such activation of external services can be performed via APIs or by any other suitable mechanism. In this manner, the intelligent automated assistant systems of various embodiments of the present invention can unify, simplify, and improve the user's experience with respect to many different applications and functions of an electronic device, and with respect to services that may be available over the Internet. The user can thereby be relieved of the burden of learning what functionality may be available on the device and on web-connected services, how to interface with such services to get what he or she wants, and how to interpret the output received from such services; rather, the assistant of the present invention can act as a go-between between the user and such diverse services.

An apparatus for performing the operations herein. This apparatus may be specially constructed for the required purposes, or it may comprise a general-purpose computing device selectively activated or reconfigured by a computer program stored in the computing device. Such a computer program may be stored in a computer readable storage medium, such as, but is not limited to, any type of disk including floppy disks, optical disks, CD-ROMs, magnetic-optical disks, read-only memories (ROMs), random access memories (RAMs), EPROMs, EEPROMs, magnetic or optical cards, application specific integrated circuits (ASICs), or any type of media suitable for storing electronic instructions, and each coupled to a computer system bus. Further, the computing devices referred to herein may include a single processor or may be architectures employing multiple processor designs for increased computing capability.

The algorithms and displays presented herein are not inherently related to any particular computing device,

virtualized system, or other apparatus. Various general-purpose systems may also be used with programs in accordance with the teachings herein, or it may prove convenient to construct more specialized apparatus to perform the required method steps. The required structure for a variety of these systems will be apparent from the description provided herein. In addition, the present invention is not described with reference to any particular programming language. It will be appreciated that a variety of programming languages may be used to implement the teachings of the present invention as described herein, and any references above to specific languages are provided for disclosure of enablement and best mode of the present invention.

Accordingly, in various embodiments, the present invention can be implemented as software, hardware, and/or other elements for controlling a computer system, computing device, or other electronic device, or any combination or plurality thereof. Such an electronic device can include, for example, a processor, an input device (such as a keyboard, mouse, touchpad, trackpad, joystick, trackball, microphone, and/or any combination thereof), an output device (such as a screen, speaker, and/or the like), memory, long-term storage (such as magnetic storage, optical storage, and/or the like), and/or network connectivity, according to techniques that are well known in the art. Such an electronic device may be portable or nonportable.

he annotation process determines if additional or better data may be annotated to a merged result. It does this by delegating to a property policy function—defined on a per-domain basis—for at least one property of at least one merged result. The property policy function may use the merged property value and property quality rating, the property quality ratings of one or more other service providers, the domain context, and/or the user profile to decide if better data may be obtained. If it is determined that one or more service providers may annotate one or more properties for a merged result, a cost function is invoked to determine the optimal set of service providers to annotate.

In addition, in various embodiments, the assistant of the present invention provides a conversational interface that the user may find more intuitive and less burdensome than conventional graphical user interfaces. The user can engage in a form of conversational dialog with the assistant using any of a number of available input and output mechanisms, such as for example speech, graphical user interfaces (buttons and links), text entry, and the like. The system can be implemented using any of a number of different platforms, such as device APIs, the web, email, and the like, or any combination thereof. Requests for additional input can be presented to the user in the context of such a conversation. Short and long term memory can be engaged so that user input can be interpreted in proper context given previous events and communications within a given session, as well as historical and profile information about the user.

Document D2 which to belongs to the same field of invention discloses a system comprising a wearable monitor for monitoring movement of a portion of a user's body, the wearable monitor comprising a plurality of movement sensors configured to generate a plurality of signals in response to movement of the user, wherein a first movement sensor of the plurality of movement sensors is configured to sense one or more muscle contractions associated with the portion of the user's body, and wherein a second movement sensor of the plurality of movement sensors is configured to measure motion associated with the portion of the user's body a wireless transmitter configured to wirelessly transmit measurement data generated based on the at least one measurement signal; and a portable electronic device comprising a memory and one or more processors, wherein the memory stores one or more programs that when executed by the one or more processors, cause the one or more processors to wirelessly receive the measurement data transmitted by the wireless transmitter, and generate movement classification data comprising a movement classification for each of a plurality of time windows of the measurement data, wherein the movement classification data is generated based on the measurement data and a machine learned model of human movement, and wherein the machined learned model of human movement is trained to classify movements using training data provided to it during a supervised training process.

The training of the machine-learned model is based on taxonomy of movement that classifies types of movements. For example, walking could be a class, and the various movements associated with walking would be classified into the walking class, depending on the taxonomy used. According to some embodiments, Functional Arm Activity Behavioral Observation System (FAABOS) taxonomy is used. According to some embodiments, an enhanced FAABOS taxonomy is used that supplements the FAABOS with additional movement classes (FAABOS+). However, any other taxonomy may be used according to the systems and methods herein. In one embodiment, a team of three annotators looked through every frame of data that was recorded as the test subjects were videotaped performing the scripted tasks. The three annotators made a judgement about what movement taxonomy class the patient was performing during a given frame. For example,

walking may be one class while grasping is another class. All types of little movements that a person could make on the scale of seconds can be classified into around a half dozen classes, according to some embodiments. The ground truth used to calibrate the machine-learned model was a majority vote of the three annotators.

The taxonomy classifications generated by the three annotators can be further classified into functional and non-functional movement classes. For example, walking may be a taxonomic classification that is included in a non-functional movement classification, whereas brushing teeth may be a taxonomic classification that is included in a functional movement classification.

Thus, in the view of subject matter disclosed in D1and D2 the subject matter of the instant application is not inventive as it would have been obvious to the person skilled in the art at the time of filing of the instant application to combine the knowledge from D1and D2 in combination to arrive at the subject matter of alleged invention. Hence, the subject matter of claims 1-10 do not constitute an invention u/s 2(1) (ja) of The Patents Act, 1970

(2).पेटेंट अयोग्यता /NON PATENTABILITY:

(I) निम्नलिखित कारणों से धारा 3 के खंड (k)के प्रावधान के तहत दावा(वे) (1-10) सांविधिक रूप से पेटेंट योग्य नहीं हैं /
Claim(s) (1-10) are statutorily non-patentable under the provision of clause (k) of Section 3 for the following reasons:

Without prejudice to objection U/S 2(1)(j), the subject-matter of claim 1-10 as filed in the instant application prima facie falls within the scope of clause (k) of section (3) of the Patents Act, 1970 (as amended). Claims 1-10 is a method/ or device/or system claim which discloses a method for assigning a computational block of a software program to cores of a multi-processor system having different steps like evaluating, determining, binding & executing without disclosing any constructional or structural feature of the said features but in turn represents an algorithm in sequential manner. Hence subject matter of said claims falls within scope of clause (k) of section (3) of the Patents Act, 1970 (as amended). Therefore, the invention claimed in said claims is not patentable.

(3).प्रकटन की दक्षता /SUFFICIENCY OF DISCLOSURE:

(I) सार /Abstract:

Abstract does not sufficiently provide technical information of the invention. The abstract should be prepared as the instructions given in rule 13(7)(b), 13(7)(c) and 13(7)(d) of the Patents Rules, 2003 (as amended).

(II) आविष्कार का शीर्षक /Title of Invention:

Title does not sufficiently indicate the subject matter of the invention for which protection is sought. Title of the invention should disclose specific features of the invention as required under rule 13(7)(a) of the Patents Rules, 2003 (as amended).

(4).स्पष्टता एवं संक्षिप्तता /CLARITY AND CONCISENESS:

(I) दावा(वे) 2-10 के संबंध मे स्पष्ट रूप से परीभाषित नहीं हैं.
Claim(s) 2-10 are not clearly worded in respect of:

Clarity and conciseness is required in the claims while incorporating all the essential technical and structural aspects of the invention clearly indicating that how the steps as described in the claims are executed and using what particular technical and structural elements, as based on present disclosure of claims it cannot be ascertained that can a person skilled in the art can reach to the invention without undue experimentation.

(5).परिभाषिकता /DEFINITIVENESS:

(I) दावा(वे)2-10 निम्नलिखित कारणों से आविष्कार को पर्याप्त रूप से परीभाषित नहीं करता(ते) हैं
Claim(s) 2-10 do not sufficiently define the invention for the reasons as follows:

The invention and its operations or use and the method by which it is to be performed is not fully and particularly described in the complete specification as per Section 10(4)(c) of The Patents Act, 1970 (as amended). The complete specification should disclose the best method of performing the inventions, which he is entitled to claims protection.

(6).अन्य आवश्यकताएँ /OTHERS REQUIREMENTS:

(I)

1).The applicant is advised to go through all above mention prior arts for their convenience. Although the above specified prior arts are representative of the teachings of the art mentioned in present application and are applied to the specific limitations within the individual claim. It is respectfully requested from the applicant in preparing responses and to fully consider the above mentioned prior arts in entirety as potentially teaching all or part of the claimed invention.

2). In case the applicant intends to amend the claims in response to this report, the same shall be drafted afresh to include the technical advancement over the prior art as required u/s 2(1) (j) of the Patent Act. Please indicate in the response communication the support for such amended claims in the original specification, as required u/s 10(4) of The Patent Act. Care shall be taken that requirement u/s 59(1) of The Patent Act is also met.

भाग – III: औपचारिक आवश्यकताएँ /PART-III: FORMAL REQUIREMENTS

आपत्तियां /Objections	टिप्पणी /Remarks
Date and Signature of Applicant	All the submitted documents and forms have been presumed as originally signed by the authorized signatory under the provisions of the Patents Act, 1970. If not, submit the originally signed copy of the same failing to which the document may not be considered filed.
Statement & Under Taking (Form 3 Details)	1). Details regarding application for Patents which may be filed outside India from time to time for the same or substantially the same invention should be furnished within six months from the date of filing of the said application under clause(b) of subsection(1) of section 8 and rule 12(1) of Patents Act 1970 (as amended). 2). Details regarding the search and/or examination report including claims of the application allowed, referred to in Rule 12(3) of the Patents Rule, 2003 (as amended), in respect of same or substantially the same invention filed in all the major Patent office along with appropriate translation where applicable, should be submitted within a period of six months from the date of receipt of this communication as provided under section 8(2) of the Patents Act 1970 (as amended).
	1. Specification should be prepared as per rule 9(d) of patent rule 2003(amended) containing numbering to every fifth line of each page of the description and each page

Format of Specification (rule 13)	of the claims at right half of the left margin. 2. Reference numerals from the figures should be supplemented in parenthesis in the claims to enhance the intelligibility of claims 3. The complete specification should be prepared following the margin requirement prescribed in rule 9.Further, any fee needs to be paid for extra pages resulting therein should be paid.
Format of Drawings	Application number and Applicant name should be mentioned on the top left hand side corner of each drawing sheets and should have signatures of applicant/agent on bottom right corner, Drawings should be prepared in accordance with the instructions contained in the Rule 15 of the Patent Rules, 2003 as amended.
Other Deficiencies	1. Claims should begin with "We claim" or “I claim” and end with name, date and signature of applicant/agent.

भाग-IV: रिकॉर्ड मे दस्तावेज़ /PART-IV: DOCUMENTS ON RECORD

निम्नलिखित दस्तावेज़ों के आधार पर यह परीक्षण रिपोर्ट तैयार की गयी है
The examination report has been prepared based on the following documents:

कार्यसूची तिथि / Docket Date	कार्यसूची संख्या /Docket Number	प्रविष्टि संख्या विवरण /Entry Number Description
11 Oct 2021	94276	1-New Application For Patent With Provisional /Complete Specification
11 Oct 2021	94276	2-Complete After Provisional Specification - Form 2 Check For No. OF Pages & Claims
11 Oct 2021	94276	3-Statement & Undertaking - Form 3
11 Oct 2021	94276	5-Declaration As To Inventorship - Form 5
11 Oct 2021	94276	12-Request For Early Publication - Form 9
11 Oct 2021	94276	28(i)-Request For Examination After 18 months Publication - Form 18

नियंत्रक का नाम /Name of the Controller: Ankur Agarwal

नियंत्रक स्थान /Controller Location: Delhi

टिप्पणी: परीक्षण रिपोर्ट का उत्तर दाखिल करने की अंतिम तिथि / Note: Last date for filing response to the Examination Report: 24/09/2022