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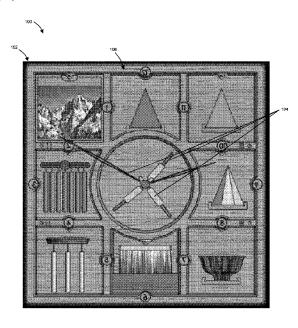
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(57) Abstract: The present disclosure provides a device (100) for indicating complex information. The device includes a frame (102) comprising a top surface (106); two or more hands (104) pivotably coupled to a center of the top surface (106), and configured to rotate about the center of the top surface (106); and a plurality of sections (110) provided on the top surface (106). Each of the sections is associated with at least one of a number, a direction, and a natural element. The at least one of the number, the direction and the natural element is configured to a user of the device 100. Further, the at least one of the number, the direction and the natural element is configured to facilitate an improvement in a condition of the user.

#### DEVICE FOR INDICATING INFORMATION AND INFLUENCING EVENTS

### **TECHNICAL FIELD**

[0001] The present disclosure relates generally to a device to indicate information. In particular, the present disclosure relates to a device to indicate complex information.

## **BACKGROUND**

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**[0002]** Background description includes information that may be useful in understanding the present invention. It is not an admission that any of the information provided herein is prior art or relevant to the presently claimed invention, or that any publication specifically or implicitly referenced is prior art.

**[0003]** Time is a most crucial factor in human life. Time rules the lives of living as well as non-living things. Every single second and millisecond brings new energy and challenges for the human life. Time is a crucial factor of life, which cannot be controlled. But we can make an effort to rectify energies that determine the positive time of our lives.

15 **[0004]** There is, therefore a requirement in the art for a means to make rectifications to energies that determine the positive time of user lives.

### **OBJECTS OF INVENTION**

[0005] An object of the present invention is to provide a device for indicating information and influencing events.

20 **[0006]** Another object of the present invention is to provide a device for positively influencing outcomes in a person's life.

[0007] Another object of the present invention is to provide a device for removing negativity in person's life.

[0008] Another object of the present invention is to provide a device for improving quality of life of a person or institution.

## **SUMMARY**

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[0009] The present disclosure relates generally to a device to indicate information. In particular, the present disclosure relates to a device to indicate complex information.

**[0010]** In an aspect, the present disclosure provides a device for indicating information. The device includes a frame comprising a top surface; two or more hands pivotably coupled to a center of the top surface, and configured to rotate about the center of the top surface; and a plurality of sections provided on the top surface. Each of the sections is associated with at

least one of a number, a direction, and a natural element. The at least one of the number, the direction and the natural element is configured to a user of the device 100. Further, the at least one of the number, the direction and the natural element is configured to facilitate an improvement in a condition of the user.

- 5 **[0011]** In some embodiments, the two or more hands are configured to indicate at least one of a time, a wish of the user, a name of the user, and a prayer of the user.
  - [0012] In some embodiments, the plurality sections comprise nine sections arranged in a grid having three rows and three columns.
- [0013] In some embodiments, the two or more hands comprises three hands to indicate hour, minute and second, as per standard depiction of time.
  - [0014] In some embodiments, the two or more hands comprises five hands.
  - [0015] In some embodiments, the two or more hands comprises six hands.
  - [0016] In some embodiments, the at least one of the number, the direction and the natural element is configured according to a date of birth of the user.
- 15 **[0017]** Various objects, features, aspects, and advantages of the inventive subject matter will become more apparent from the following detailed description of preferred embodiments, along with the accompanying drawing figures in which like numerals represent like components.

## **BRIEF DESCRIPTION OF DRAWINGS**

- 20 **[0018]** The accompanying drawings are included to provide a further understanding of the present disclosure and are incorporated in and constitute a part of this specification. The drawings illustrate exemplary embodiments of the present disclosure and, together with the description, serve to explain the principles of the present disclosure.
- [0019] FIG. 1 illustrates a schematic view of a device to indicate information, according to an embodiment of the present disclosure.
  - **[0020]** FIG. 2 shows an exemplary representation of sections on top surface of the device, according to an embodiment of the present disclosure.
  - [0021] FIG. 3 illustrates an exemplary representation of a device for education.
  - [0022] FIG. 4 illustrates an exemplary representation of a device for medical field.
- 30 [0023] FIG. 5 illustrates an exemplary representation of a device for vehicles.

### **DETAILED DESCRIPTION**

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[0024] The following is a detailed description of embodiments of the disclosure depicted in the accompanying drawings. The embodiments are in such details as to clearly communicate the disclosure. However, the amount of detail offered is not intended to limit the anticipated variations of embodiments; on the contrary, the intention is to cover all modifications, equivalents, and alternatives falling within the spirit and scope of the present disclosure as defined by the appended claims.

[0025] In an aspect, the present disclosure provides a device for indicating information. The device includes a frame comprising a top surface; two or more hands pivotably coupled to a center of the top surface, and configured to rotate about the center of the top surface; and a plurality of sections provided on the top surface. Each of the sections is associated with at least one of a number, a direction, and a natural element. The at least one of the number, the direction and the natural element is configured to a user of the device 100. Further, the at least one of the number, the direction and the natural element is configured to facilitate an improvement in a condition of the user.

[0026] In some embodiments, the two or more hands are configured to indicate at least one of a time, a wish of the user, a name of the user, and a prayer of the user.

[0027] In some embodiments, the plurality sections comprise nine sections arranged in a grid having three rows and three columns.

20 **[0028]** In some embodiments, the two or more hands comprises three hands to indicate hour, minute and second, as per standard depiction of time.

[0029] In some embodiments, the two or more hands comprises five hands.

[0030] In some embodiments, the two or more hands comprises six hands.

[0031] In some embodiments, the at least one of the number, the direction and the natural element is configured according to a date of birth of the user.

[0032] FIG. 1 illustrates a schematic view of a device 100 to indicate information, according to an embodiment of the present disclosure. In some embodiments, the device 100 is adapted to indicate one or more types of information. Specifically, the device 100 is adapted to indicate at least one of time, and placement of objects in an environment of the device 100. In an exemplary implementation, the device 100 is constructed similar to a clock.

[0033] In some embodiments, the placement of objects may be according to Vastu Shastra, Feng Shui, Lo Shu Grid, Numerology, Mantra Shastra, or combinations thereof.

[0034] The device 100 includes a frame 102. The frame 102 may be of any circular or polygonal shape, such as square, rectangle, hexagon, octagon, etc. The device 100 further

includes two or more elongated members 104 pivotably coupled to a centre of a top surface 106 of the base 102. The elongated members 104 may interchangeably be referred to as hands 104. In the illustrated embodiment of FIG. 1, the device 100 includes three hands 104-1, 104-2, 104-3. The hands 104 may rotate about a fixed point over the top surface 106 of the frame 102 of the device 102.

[0035] The top surface 106 of the device 100 includes nine sections 110-1 to 110-9, arranged in a grid of three rows and three columns. FIG. 2 shows an exemplary representation of the sections 110 on the top surface 106 of the device 100, according to an embodiment of the present disclosure. Each section 110 is associated with a number, such that a sum of all the numbers in the sections 110 amount to 15. Each section 110 is further associated with a direction. The grid is known as Lo Shu Grid. Lo Shu Grid is a form of Magic Square, being integral part of various cultures more than 4,000 years ago, believed to be having divine qualities. It has been in use since ancient times. The numbers associated with the nine sections 110-1 to 110-9 are associated with a primary element, water (1), earth (2), wood (3), wood (4), earth (5), metal (6), metal (7), earth (8), and fire (9). Further, the directions associated with the nine sections 110-1 to 110-9 are, respectively, south-east, south, south-west, east, centre, west, north-east, north, and north-west.

[0036] The numbers may have the following associations,

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- Number 1– It belongs to the North direction and represents the water element.
   Describing a person's ability to communicate and one's behavioural aspects with regards to the interpersonal relationships.
- Number 2 –The number stands for South-West direction and is connected with one's intuitive ability and sensitivity.
- Number 3— This number belongs to the east direction and is linked to one's ability to think clearly. It holds the intellectual capacity of a person, rationality.
- Number 4 This number belongs to the South-East direction and is linked to one's growth in life, the ability to have a practical approach.
- Number 5 It belongs to the centre, and is associated with Earth and represents the stability and strength in one's life.
- Number 6 It is linked with the South-West direction and is associated with the element metal. It signifies the accessibility of helpful people and friends in one's life, the number of new opportunities a person gets in life.

Number 7 –It represents the West direction and is linked with the element metal. It relates to one's creativity and mental stability. The connotation of number seven is related to the metaphysical and spiritual aspect.

- Number 8 –It represents the earth element and is located in the North-East direction. It is related to the person's power and ability to be sharp-eyed, concentration to detail, disciplined and organised.
- Number 9 –It represents the South direction and is associated with the fire element and is empowered with fame, energy and recognition. This number gives humanitarian nature, being idealistic, courageous, and ambitious and having selfbelief.

[0037] The directions may have the following associations,

- South-East: Wealth, Prosperity, correctness, neatness, hard work.
- South: Fame, recognition, dynamism.
- South-West: Happiness, love and romance, marriage, sensitivity, intuition.
- East: Family relationships, growth in life, rationality, thinking & intellectual capacity.
  - Centre: Strength and stability.

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- West: Mental peace, creativity, homeliness, sacrifice & Learning through losses.
- North-East: Knowledge, education, memory.
- North: Career, Business, sources of income, planning capacity.
- North-West: Helpful people & friends, new opportunities.

[0038] Further, the sections 110 may also include nature elements. Some example nature elements and their associations include,

- Pyramids: The pyramid structure/ shape own supernatural powers. Pyramids are highly effective in bringing positive energies and curbing the negative ones. The ray passing through it and the air that touches it balances the mind, body, spirit and environment. It has a positive impact on one's growth in each aspect of life, harmonizes the family relationships, creates intellectual powers and clears the thought process. In short, we can say a pyramid brings happiness and satisfaction across all dimensions of life. A green coloured pyramid in South-East direction brings wealth, prosperity and harmony along with a practical and positive approach in life.
- Red pyramid in South direction is secret to bring in fame and recognition. It encourages idealism and self-belief.

Rose Quartz: The best element to place in South-West direction to attract happiness, creates love and strengthens one's intuition power is rose quartz or items of rose quartz.

 Pair of Ducks: Pair of ducks is a symbol of true love and being honest in one's relationship. This strengthens the relationships of partners. It is placed in South-West direction.

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- Mountain Peaks: This section owns the powers related to strength and stability. The images of mountain peaks are suitable for the centre and/or South-West directions as it is itself a symbol of strength and stability. People get stability in their doings, their deeds and actions become forceful and impactful.
- Greenery: Picture of greenery is considered to be a source of wealth, prosperity
  and harmony along with a practical and positive approach in life. The suitable
  directions for this are East and/or South-East.
- Yellow Light The centre stands for stability and strength. Yellow colour light will be fixed here to represent this quality.
- Silver Wind Chime -Wind chimes in the West direction attracts positive energies and curbs the negative energies. It attracts prosperity. Gives mental peace, children and encourages creativity.
- Purple Crystals or Quartz: In North-East direction lotus of crystal with water within, or crystals preferably in purple colour is a magical source to empower the knowledge power, level and enhances the memory power. A person becomes more disciplined and observant.
- Water Fountain: in North direction is the best element to place in this section. The organized flow of water is the rich source of creating positive energy and removing negative energies. Water fountains bring prosperity and good luck. Placing the same in this section ensures that the person's career path/ business path can become smooth and rewarding. New opportunities could knock the door. A person gets better in expressing themselves.
- Golden Wind Chime Golden wind chimes in North West direction It attracts prosperity. In this section, it brings especially helpful people and encourages creativity. Water used in device 100 will be sacred water from the river Ganga/Narmada or from any other sacred place, worshipped as Goddess.

[0039] In some embodiments, in the device 100, Vastu Shastra and Feng Shui are associated with the above structures, and are linked with the Lo Shu Grid. Lo Shu Grid,

designed to elevate human life to attain a better present and future for human beings. Hence instead of placing the representative elements of nature (as per nine directions) in a dwelling, the elements are placed in the device 100.

**[0040]** In some embodiments, the device 100 may be customised in several ways. In general, the device 100 can be used by anyone to bring all round happiness, positivity & a balanced life. There are many ancient India's and world's methods to rectify or treat something which has no side effects or after use affects.

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[0041] For example – The medical science of Ayurveda – which a healthy person takes Ayurvedic medicine/ ingredients it will improve, the person's health, if an unhealthy person uses this it will first make that person healthy, and then if continues, it will help improve a person's health.

[0042] Lo Shu Grid is widely used worldwide by numerologists and Feng Shui experts to interpret and calculate one's life path. The studied results can be used as a guide to ascertain possible points for improvement. The calculation and preparation of the chart are purely based on a person's date of birth (DOB). The numbers appearing in one's DOB is placed accordingly in the sections 110.

[0043] It is believed that everything in this world is part of the five elements i.e., Water, Earth, Metal, Wood and Fire. Each of these numbers and elements relates to a desirable quality. An absence of an element i.e., its number from the Lo-Shu-Grid will indicate to a lack of or enhance a particular ability a person could surround oneself with objects that relate to correct elements. Compensating for the lack of these elements makes sure that one benefits from all the positive qualities and traits associated with them. Thus, if someone feels that there is absence of any one or more elements in their chart, may start keeping the related elements in any form.

25 **[0044]** To make well that lack and to improve a particular ability, a person may consider and use objects that transmit to that relative element. By compensating the element which is missing is to ensure that a person is benefitted from all the positive qualities as well as the qualities linked with the particular elements. Hence, if anyone feels that there is a lack of any one or more elements in their respective charts, they may go for the particular elements accordingly.

**[0045]** Before going for any modification or selection of any element, one should go through the different effects of the missing number as well as their impact due to a different number of repetitions in one's life.

[0046] There may be three types of situation in one's DOB chart (Lo Shu Grid placement), namely, normal, moderate, and extreme. In general, normal or moderate conditions can be managed by using the device 100 without any customization but for extreme conditions, the device 100 may be customized according to the suitability.

5 **[0047]** The customisation of the device 100 may follow three concepts, namely, productive cycle, reducing cycle and controlling cycle.

[0048] The productive cycle may include,

- Fire strengthens / Produces Earth
- Earth strengthens/ Produces Metal
- Metal Strengthens / Produces Water
- Water Strengthens / Produces Wood
- Wood Strengths / Produces Fire

[0049] The reducing cycle may include,

- Wood reduces Water
- Water reduces Metal

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- Metal reduces Earth
- Earth reduces Fire
- Fire reduces Wood

[0050] The controlling cycle may include,

- 20 Water controls Fire
  - Fire controls Metal
  - Metal controls Wood
  - Wood controls Earth
  - Earth controls Water
- In some embodiments, the device 100 may include three hands 104, which denote hour, minute and second as per standard measurement of time. These hands have additional features of having written/ printed name of the user, wish of the user and special mantra of the user in case of individual and in case of other than individual these hands are holding name of the entity, mission/ vision/ purpose/ moto of the entity and the third hand with special mantra related to the line of the activity of the entity.

**[0052]** In some embodiments, the device 100 may include five hands 104, out of which, two hands denote hour, and minute as per standard measurement of time. The remaining three are having special movement of 3,6 and 9 seconds. The 3 seconds hand is holding the wish of the user, the 6 seconds hand is holding the name of the user and the 9 seconds hand is holding

a special mantra of the user in case of individuals. However in case of other individuals, these hands are holding mission/ vision/ purpose/ moto of the entity, name of the entity and special mantra related to the activity of the entity.

[0053] In some embodiments, the device includes six hands 104, , out of which, three hands denote hour, minute, and second as per standard measurement of time. The remaining three hands are placed in East, South and West sections of the VG. These hands are having special movement of 3,6 and 9 seconds. The 3 seconds hand is holding the wish of the user, the 6 seconds hand is holding the name of the user and the 9 seconds hand is holding a special mantra of the user in case of individuals. However, in case of other than individuals, these hands are holding mission/ vision/ purpose/ moto of the entity, name of the entity and special mantra related to the activity of the entity.

**[0054]** In some embodiments, the device 100 may be specifically configured for different applications.

[0055] FIG. 3 illustrates an exemplary representation of a device 300 for education. The device 300 is designed especially for educational institutions, tuition centers, schools, colleges etc. The device 300 is customized for the educational field has a Saraswati Yantra fixed into it. She is a reflection of consciousness and eliminates the darkness that ignorance brings about. The yantra can destroy the negative thought chain and cultivate positivity in thoughts. A symbol of art and intellectual powers, the Saraswati Yantra radiates knowledge, wisdom and purity of spirit.

[0056] FIG. 4 illustrates an exemplary representation of a device 400 for medical field. The device 400 is designed for medical lines like hospitals, clinics, medical shops, medical labs, blood banks etc. The device 400 designed for the medical sector, contains the Dhanvantri Yantra which symbolizes Lord Dhanvantri. He is the one who cures health disorders and safeguards the holistic wellness of his children in the entire universe. The Yantra emits energies that can rejuvenate your soul and body.

[0057] FIG. 5 illustrates an exemplary representation of a device 500 for vehicles. The device 500 is designed vehicles, the machines we use for travelling – car, trucks, autorickshaw, busses, trains and more. One of the hands will show the hour, the other will show minutes and rest of the hands will hold the following functions,

Vehicle number

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- Mantra related to Vishwakarma God
- Corrected name of the owner as per numerology

[0058] Vishwakarma, is said to be the creator of the world and is considered as an architect. He is attributed with Sthapatya Veda, the science of mechanics and architecture.

[0059] It should be apparent to those skilled in the art that many more modifications besides those already described are possible without departing from the inventive concepts herein. The inventive subject matter, therefore, is not to be restricted except in the spirit of the appended claims. Moreover, in interpreting both the specification and the claims, all terms should be interpreted in the broadest possible manner consistent with the context. In particular, the terms "comprise" and "comprising" should be interpreted as referring to elements, components, or steps in a non-exclusive manner, indicating that the referenced elements, components, or steps may be present, or utilized, or combined with other elements, components, or steps that are not expressly referenced. Where the specification claims refer to at least one of something selected from the group consisting of A, B, C .... and N, the text should be interpreted as requiring only one element from the group, not A plus N, or B plus N, etc. The foregoing description of the specific embodiments will so fully reveal the general nature of the embodiments herein that others can, by applying current knowledge, readily modify and/or adapt for various applications such specific embodiments without departing from the generic concept, and, therefore, such adaptations and modifications should and are intended to be comprehended within the meaning and range of equivalents of the disclosed embodiments. It is to be understood that the phraseology or terminology employed herein is for the purpose of description and not of limitation. Therefore, while the embodiments herein have been described in terms of preferred embodiments, those skilled in the art will recognize that the embodiments herein can be practiced with modification within the spirit and scope of the appended claims.

**[0060]** While the foregoing describes various embodiments of the invention, other and further embodiments of the invention may be devised without departing from the basic scope thereof. The scope of the invention is determined by the claims that follow. The invention is not limited to the described embodiments, versions, or examples, which are included to enable a person having ordinary skill in the art to make and use the invention when combined with information and knowledge available to the person having ordinary skill in the art.

## ADVANTAGES OF INVENTION

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[0061] The present invention provides a device for indicating information and influencing events.

[0062] The present invention provides a device for positively influencing outcomes in a person's life.

[0063] The present invention provides a device for removing negativity in person's life.

[0064] The present invention provides a device for improving quality of life of a person

5 or institution.

## I Claim:

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1. A device (100) for indicating information, comprising:

a frame (102) comprising a top surface (106);

two or more hands (104) pivotably coupled to a center of the top surface (106), and configured to rotate about the center of the top surface (106); and

a plurality of sections (110) provided on the top surface (106),

wherein each of the sections is associated with at least one of a number, a direction, and a natural element,

wherein the at least one of the number, the direction and the natural element is configured to a user of the device 100, and

wherein the at least one of the number, the direction and the natural element is configured to facilitate an improvement in a condition of the user.

- **2.** The device (100) as claimed in claim 1, wherein the two or more hands (104) are configured to indicate at least one of a time, a wish of the user, a name of the user, and a prayer of the user.
- **3.** The device (100) as claimed in claim 1, wherein the plurality sections (110) comprise nine sections (110-1 to 110-9) arranged in a grid having three rows and three columns.
- **4.** The device (100) as claimed in claim 1, wherein the two or more hands (104) comprises three hands to indicate hour, minute and second, as per standard depiction of time.
  - **5.** The device (100) as claimed in claim 1, wherein the two or more hands (104) comprises five hands.
  - **6.** The device (100) as claimed in claim 1, wherein the two or more hands (104) comprises six hands.
    - 7. The device (100) as claimed in claim 1, wherein the at least one of the number, the direction and the natural element is configured according to a date of birth of the user.

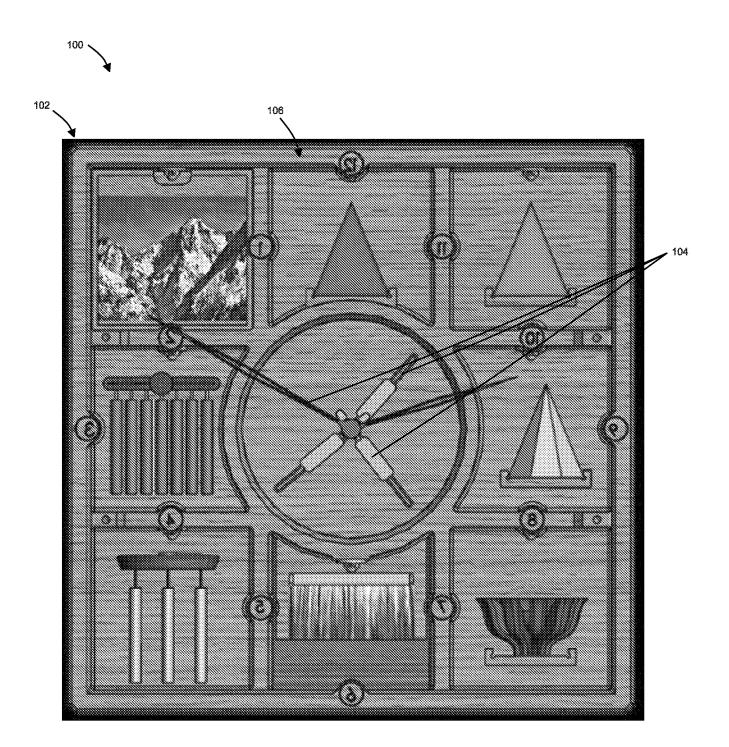


FIG. 1

4	9	2	110
SE	S	SW	
3	5	7	
E	C	W	
8	1	6	
NE	N	NW	

FIG. 2



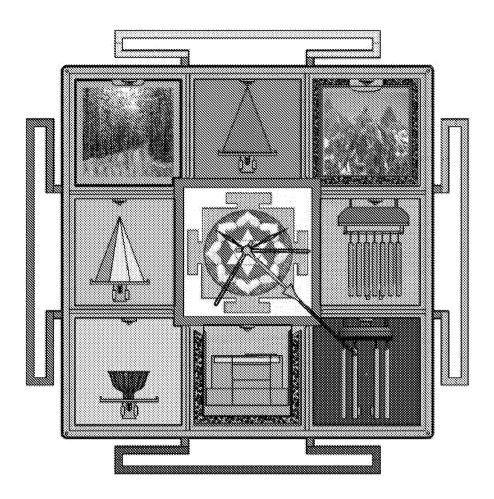


FIG. 3



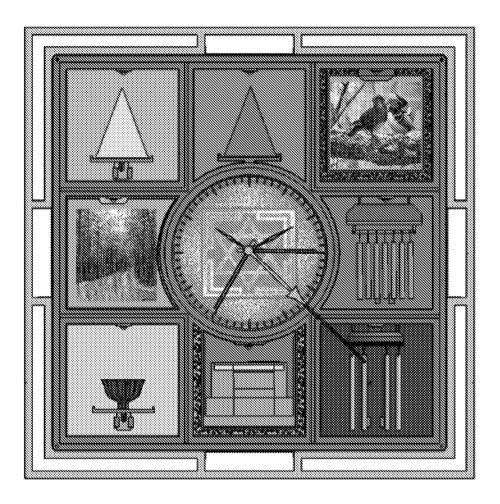


FIG. 4



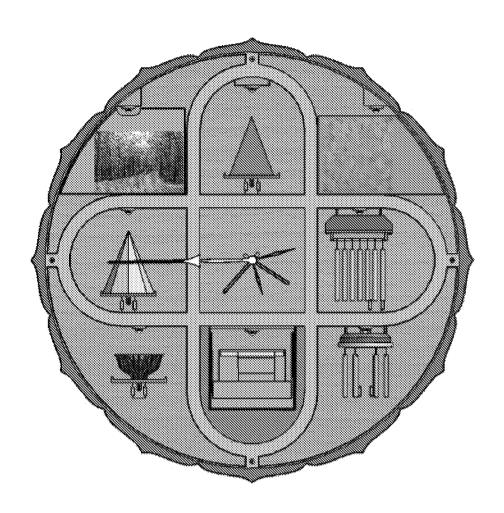


FIG. 5

### INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB2023/057750

# A. CLASSIFICATION OF SUBJECT MATTER G04B45/00 Version=2023.01

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)

G04B\*

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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

PatSeer, IPO Internal Database

### C. DOCUMENTS CONSIDERED TO BE RELEVANT

Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
US20130133566A1 ASMANDIJAROV ALEXANDER VLADIMIROVICH [RU] 30 May 2013 (30.05.2013) Para 0018 & Figs 1 & 2	1-7
US20050078560A1 ETA SA MANUFACTURE [CH] 14 April 2005 (14.04.2005) Para 0016-0022 & Figs 1-6	1-7
US20020059895A1 ADAMS JURGEN; KOLAR ANTON; NEUGART ELMAR 23 May 2002 (23.05.2002) Col 1, Lines 40-65	1-7
	US20130133566A1 ASMANDIJAROV ALEXANDER VLADIMIROVICH [RU] 30 May 2013 (30.05.2013) Para 0018 & Figs 1 & 2  US20050078560A1 ETA SA MANUFACTURE [CH] 14 April 2005 (14.04.2005) Para 0016-0022 & Figs 1-6  US20020059895A1 ADAMS JURGEN; KOLAR ANTON; NEUGART ELMAR 23 May 2002 (23.05.2002) Col 1,

<u> </u>				
	Further documents are listed in the continuation of Box C.		See patent family annex.	
*	Special categories of cited documents:	"T"	later document published after the international filing date or priority	
"A"	document defining the general state of the art which is not considered to be of particular relevance	date and not in conflict with the application but cited to understa the principle or theory underlying the invention		
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Date	of the actual completion of the international search	Date	of mailing of the international search report	
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## INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.
PCT/IB2023/057750

Citation	Pub.Date	Family	Pub.Date
US 20130133566 A1	30-05-2013	RU 2010133346 A EA 201300214 A1	20-02-2012 28-06-2013
US 20050078560 A1	14-04-2005	WO 2012021085 A1 TW 1269129 B JP 4279625 B2	16-02-2012 21-12-2006 17-06-2009
US 20020059895 A	23-05-2002	CN 100451875 C DE 10043950 A1 BR 0100472 A EP 1128166 A3	14-01-2009 21-03-2002 30-10-2001 09-01-2002