

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of:

Pugna Enkefalos

Application No.: 17/000,000

Examiner: Daniel Nile

Filed: April 1, 2022

Group Art Unit: 3683

For: A SYSTEM AND METHOD
FOR RETRIEVING AND
TRANSMITTING COGNITIVE
PARAMETER
MEASUREMENTS FOR REAL
TIME DISPLAY ON USER
INTERFACES AND
TRIGGERING
CRYPTOCURRENCY
TRANSFER

Attorney Docket No.: 891

Confirmation No.: 1234

A

AMENDMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Examiner Nile:

This Amendment is in response to the Office Action mailed April 8, 2022. This Amendment is timely because it is being submitted within the period for reply which expires July 8, 2022. Please enter and consider the following:

- Compliant

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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS

1. (Currently Amended) A system comprising:
 - a first measuring device comprising a first plurality of electroencephalogram (EEG) sensors that detects a first electrical signal from the surface of a first user's head, wherein said first measuring device converts said first electrical signal to a first cognitive parameter measurement data including an unlimited number of numeric values representing ~~various levels of~~ induced cognitive states of said first user; and
 - a second measuring device comprising a second plurality of EEG sensors that detects a second electrical signal from the surface of a second user's head, wherein said second measuring device converts said second electrical signal to a second cognitive parameter measurement data including an unlimited number of numeric values representing ~~various levels of~~ induced cognitive states of said second user; and
 - a first smart phone device that receives said first cognitive parameter measurement data from said first measuring device; and
 - a second smart phone device that receives said second cognitive parameter measurement data from [[the]] said second measuring device; and
 - a host server that receives said first cognitive parameter measurement data from [[the]] said first smart phone device and said second cognitive parameter measurement

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data from said second smart phone device, wherein said host server transmits said first cognitive parameter measurement data and said second cognitive parameter measurement data to a ~~smart phone~~ display device comprising a graphical processor that receives ~~generates computer graphic images representative of~~ said first cognitive parameter measurement data and said second cognitive parameter measurement data for real time display on a user interface of said ~~smart phone~~ display device; and

a cryptocurrency server that is in communication with said host server, wherein a transfer of cryptocurrency among cryptocurrency public addresses occurs upon a triggering event comprising the following steps at said host server:

measurement
receiving two cognitive parameter measurements included in said first cognitive parameter data from said first measuring device and two cognitive parameter measurements included in said second cognitive parameter data from said second measuring device; and *measurement*

summing said two cognitive parameter measurements from said first measuring device to generate a first summation; and

summing said two cognitive parameter measurements from said second measuring device to generate a second summation; and

determining that said first summation is greater than said second summation; and

transmitting a signal to said cryptocurrency server to process the transfer of cryptocurrency to the public address affiliated with said first user.

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2. (Original) The system of claim 1, wherein said host server is in communication with up to and including 99 smart phone devices.

3. (Currently Amended) The system of claim 1, wherein ~~[[the]]~~ said first measuring device and said second measuring device ~~devices~~ and said first smart phone device and said second smart phone device ~~devices~~ are replaced with a virtual reality headset.

4. (Currently Amended) A server apparatus comprising:
a processor that receives a first cognitive parameter measurement data including an unlimited number of numeric values representing ~~various levels of~~ induced cognitive states of a first user from a first measuring device comprising a first plurality of electroencephalogram (EEG) sensors that detects a first electrical signal from the surface of said first user's head, wherein said processor receives a second cognitive parameter measurement data including an unlimited number of numeric values representing ~~various levels of~~ induced cognitive states of a second user from a second measuring device comprising a second plurality of EEG sensors that detects a second electrical signal from the surface of said second user's head,

wherein said processor transmits said first cognitive parameter measurement data and said second cognitive parameter measurement data to a graphical processor within a smart phone device that receives ~~generates computer graphic images representative of~~ said first cognitive parameter data and said second cognitive parameter data and transmits

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said first cognitive parameter data and said second cognitive parameter data to a user interface of said smart phone device for real time display on a user interface of said smart phone device; and

a memory that stores said first cognitive parameter measurement data and said second cognitive parameter measurement data; and

a cryptocurrency gateway that transmits a signal to a cryptocurrency server to process a transfer of cryptocurrency among cryptocurrency public addresses upon a triggering event comprising the following steps occurring at said processor:

receiving two cognitive parameter measurements included in said first cognitive parameter data from said first measuring device and two cognitive parameter measurements included in said second cognitive parameter data from said second measuring device; and

summing said two cognitive parameter measurements from said first measuring device to generate a first summation; and

summing said two cognitive parameter measurements from said second measuring device to generate a second summation; and

determining that said first summation is greater than said second summation; and

transmitting a signal to said cryptocurrency gateway to transmit said signal to said cryptocurrency server to process the transfer of cryptocurrency to the public address affiliated with said first user.

5. (Currently Amended) The apparatus of claim 4, wherein [[the]] said processor receives cognitive parameter measurement data from up to and including 99 smart phone devices respectively.

6. (Currently Amended) The apparatus of claim 4, wherein instead of said first measuring device and said second measuring device and said smart phone device, [[the]] said processor is in communication with a virtual reality headset that performs the same functions as said first measuring device and said second measuring device ~~devices~~ and said smart phone device.

7. (Currently Amended) A method comprising:
receiving a first cognitive parameter measurement data including an unlimited number of numeric values ~~comprising two measurements~~ representing ~~different levels of~~ induced cognitive states of a first user; and

receiving a second cognitive parameter measurement data including an unlimited number of numeric values ~~comprising two measurements~~ representing ~~different levels of~~ induced cognitive states of a second user; and

summing two numeric values ~~measurements~~ from said first cognitive parameter measurement data to generate a first summation; and

summing said two numeric values ~~measurements~~ from said second cognitive parameter measurement data to generate a second summation; and

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transmitting said first summation and said second summation ~~summations~~ to a graphical processor, wherein said graphical processor transmits said first summation and said second summation to a user interface for display in real time ~~to generate computer graphic images representing said first and second summations;~~ and

~~transmitting said computer graphic images to a user interface for display in real time;~~ and

determining that said first summation is greater than said second summation; and
processing a transfer of cryptocurrency to the public address affiliated with said first user.

8. (Currently Amended) The method of claim 7 further comprising steps of receiving ~~additional~~ cognitive parameter measurement data from up to and including 99 smart phone devices respectively.

9. (Currently Amended) The method of claim 7, wherein ~~[[the]]~~ said graphical processor and said user interface are included in a smart phone device.

10. (Currently Amended) The method of claim 7, wherein ~~[[the]]~~ said graphical processor and said user interface are included in a virtual reality headset.

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11. (Original) The method of claim 7, wherein the step of processing a transfer of cryptocurrency is replaced by a step of processing an exchange of fiat currency.

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REMARKS

The present application includes claims 1-11. Claims 1-11 were rejected. By this Amendment, claims 1, 3-10 have been amended, claims 2 and 11 have not been amended, and no claims have been cancelled or added.

Claims 1-11 were rejected under 35 U.S.C. §112(b) as being indefinite.

Claims 1-11 were rejected under 35 U.S.C. §102(a)(1) as being anticipated by Abramson, U.S. Pat. App. Pub. No. 2020/0097951. ✓

Claims 1-11 were rejected under 35 U.S.C. §102(a)(1) as being anticipated by Frank, U.S. Pat. App. Pub. No. 2022/0084055.

The Applicant now turns to the rejection of claims 1-11 under 35 U.S.C. §112(b) as being indefinite. Claim 1 has been amended. An appropriate correction has been made to clarify the meaning of "a first cognitive parameter measurement data representing various levels of induced cognitive states of said first user." As amended, claim 1 recites "a first cognitive parameter measurement data including an unlimited number of numeric values representing induced cognitive states of said first user". Likewise, an appropriate correction has been made to clarify the meaning of "a second cognitive parameter measurement data representing various levels of induced cognitive states of said second user." As amended, claim 1 recites "a second cognitive parameter measurement data including an unlimited number of numeric values representing induced cognitive states of

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said second user". Furthermore, to clarify "the said first smart phone device", an appropriate correction has been made to remove "the". As amended, claim 1 recites "said first smart phone device". Additionally, an appropriate correction has been made to clarify whether "a smart phone device" and "said smart phone device" refer to the first or second smart phone device. As amended, claim 1 recites "a display device" and "said display device" to indicate that the host server transmits the first and second cognitive parameter measurement data sets to any device that includes a user interface, not limited to the first and second smart phone devices. To clarify "a graphical processor that generates computer graphic images representative of said first cognitive parameter measurement data", an appropriate correction has been made. As amended, claim 1 recites "a graphical processor that receives said first cognitive parameter measurement data". To clarify whether "receiving two cognitive parameter measurements" refers to "first cognitive parameter measurement data", an appropriate correction has been made. As amended, claim 1 recites "receiving two cognitive parameter measurements included in said first cognitive parameter data". Likewise, to clarify whether "two cognitive parameter measurements" refers to "second cognitive parameter measurement data", an appropriate correction has been made. As amended, claim 1 recites "two cognitive parameter measurements included in said second cognitive parameter data".

Examiner has noted that issues similar to that of claim 1 appear in claims 4 and 7. Independent claim 4 has been amended in a parallel manner to independent claim 1 with

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the same language. Independent claim 7 has been amended in a parallel manner to independent claim 1 with the same language.

Claim 3, depending on claim 1, has been amended in a parallel manner to independent claim 1. The Examiner found "the said first smart phone device" to be unclear in claim 1. In parallel, to clarify "the said first and second measuring devices and first and second smart phone devices" in claim 3, an appropriate correction has been made. As amended, claim 3 recites "wherein said first measuring device and said second measuring device and said first smart phone device and said second smart phone device".

Claims 5-6, depending on claim 4, have been amended in a parallel manner to independent claim 1. The Examiner found "the said first smart phone device" to be unclear in claim 1. In parallel, to clarify "the said processor" in claim 5, an appropriate correction has been made. Claim 5, as amended, recites "said processor". Likewise, to clarify "the said processor" in claim 6, an appropriate correction has been made. Claim 6, as amended, recites "said processor".

.Claims, 8-10 depending on claim 7, have likewise been amended in a parallel manner to claim 1. The Examiner noted that it is unclear whether "receiving two cognitive parameter measurements" refers to first cognitive parameter measurement data. In parallel, to clarify the source of "additional cognitive parameter measurement data" in claim 8, appropriate corrections were made. As amended, claim 8 recites "cognitive parameter measurement data from up to and including 99 smart phone devices respectively". The Examiner found "the said first smart phone device" to be unclear in

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claim 1. In parallel, to clarify "the said graphical processor" in claim 9, appropriate corrections were made. As amended, claim 9 recites "said graphical processor". Likewise, to clarify "the said graphical processor" in claim 10, appropriate corrections were made. ✓
As amended, claim 10 recites "said graphical processor".

Claim 2, depending on claim 1, and claim 11, depending on claim 7, have not been amended. Claims 2 and 11 do not contain language that is in parallel with independent claim 1.

Consequently, it is respectfully submitted that claims 1-11 are in compliance with 35 U.S.C. §112(b).

The Applicant kindly asks the Examiner to clarify the action item recited by the Examiner as "the final limitation is not tied to any prior limitation in the claim." The Applicant further asks the Examiner whether a teleconference would be permissible to discuss and clarify the action item. Following a clarification by the Examiner, the Applicant will respond accordingly. ✓

OK
Yes - You would just call

The Applicant now turns to the rejection of claims 1-11 under 35 U.S.C. § 102(a)(1) as being anticipated by Abramson. Abramson teaches a cryptocurrency system that checks whether the hash of body activity of a user is within a target range set by the cryptocurrency system. If the hash of the body activity of the user is within the target range, then the cryptocurrency system rehashes data of the body activity [0048]. If the ✓

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*- but it is the important part of your argument,
but it is kind of buried*

rehashed data is identical to the hash of the body activity of the user and within the target range [0048], then the cryptocurrency system awards cryptocurrency to the user [0049].

Abramson does not teach calculating cognitive parameter summations from a first user's cognitive parameter measurement data and a second user's cognitive parameter measurement data and initiating a cryptocurrency transfer to the wallet of the user whose cognitive parameter summation is greater. Independent claims 1, 4, and 7 all teach calculating cognitive parameter summations from a first user's cognitive parameter measurement data and a second user's cognitive parameter measurement data and initiating a cryptocurrency transfer to the wallet of the user whose cognitive parameter summation is greater.

*not relevant
B/C
no
mix
not defined
in claim
Overall, I see
what you are
going, but
I don't think it
would be clear how
to get the exam
to dig into
rejection*

As amended, claim 1 recites "summing said two cognitive parameter measurements from said first measuring device to generate a first summation; and summing said two cognitive parameter measurements from said second measuring device to generate a second summation; and determining that said first summation is greater than said second summation; and transmitting a signal to said cryptocurrency server to process the transfer of cryptocurrency to the public address affiliated with said first user." Claim 4, as amended, recites "summing said two cognitive parameter measurements from said first measuring device to generate a first summation; and summing said two cognitive parameter measurements from said second measuring device to generate a second summation; and determining that said first summation is greater than said second summation; and transmitting a signal to said cryptocurrency

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gateway to transmit said signal to said cryptocurrency server to process the transfer of cryptocurrency to the public address affiliated with said first user". Claim 7, as amended, recites "summing two numeric values from said first cognitive parameter measurement data to generate a first summation; and summing said two numeric values from said second cognitive parameter measurement data to generate a second summation" and "determining that said first summation is greater than said second summation; and processing a transfer of cryptocurrency to the public address affiliated with said first user".

Consequently, the Applicant respectfully submits independent claims 1, 4, and 7 to be free of Abramson and allowable, along with their respective dependent claims 2-3, 5-6, and 8-11.

The Applicant now turns to the rejection of claims 1-11 under 35 U.S.C. § 102(a)(1) as being anticipated by Frank. Frank teaches a first sensor, such as an EEG sensor, that takes measurements to determine an emotion of a user [0967]. Additionally, Frank teaches a graphical user interface where a user interacts with the graphical user interface to participate in activities within a virtual environment [1020] or to consume digital content [1023].

Frank does not teach a graphical processor that receives cognitive parameter measurement data. Frank also does not teach a user interface that displays cognitive parameter measurement data in real time. Independent claims 1, 4, and 7 all teach a

this is apparatus that can produce anything that can be seen

likely relevant

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graphical processor that receives cognitive parameter measurement data for real time display on a user interface.

As amended, claim 1 recites "wherein said host server transmits said first cognitive parameter measurement data and said second cognitive parameter measurement data to a display device comprising a graphical processor that receives said first cognitive parameter measurement data and said second cognitive parameter measurement data for real time display on a user interface of said display device." Claim 4, as amended, recites "wherein said processor transmits said first cognitive parameter measurement data and said second cognitive parameter measurement data to a graphical processor within a smart phone device that receives said first cognitive parameter data and said second cognitive parameter data and transmits said first cognitive parameter data and said second cognitive parameter data to a user interface of said smart phone device for real time display". Claim 7, as amended, recites "transmitting said first summation and said second summation to a graphical processor, wherein said graphical processor transmits said first summation and said second summation to a user interface for display in real time".

Consequently, the Applicant respectfully submits independent claims 1, 4, and 7 to be free of Frank and allowable, along with their respective dependent claims 2-3, 5-6, and 8-11.

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CONCLUSION

If the Examiner has any questions or the Applicant can be of any assistance, the Examiner is invited and encouraged to contact the Applicant at the number below. ✓

The Commissioner is authorized to charge any necessary fees or credit any overpayment to the Deposit Account of 891, Account No. 891.

Respectfully submitted,

Date: April 15, 2022

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