

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of:

Salva Bambini

Application No.: 17/000,000

Filed: March 31, 2023

For: ADHESIVE MEDICAL
DRESSING COMPRISING A
GLOBAL POSITIONING
SYSTEM RECEIVER AND A
CELLULAR TRANSMITTER

Examiner: Daniel Nile

Group Art Unit: 3667

Attorney Docket No.: 8888

Confirmation No.: 1234

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 7, 2023. This Amendment is timely because it is being submitted within the period for reply which expires July 7, 2023. Please enter and consider the following:

- compliant
- Overall good
- "Electrically isolating" is a vague limitation that would not be comfortable for the Examiner. Would need to get resolved before progress could be made.

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) An adhesive medical dressing comprising:
an adhesive layer comprising an adhesive for adhering to a user of said adhesive medical dressing;
a global positioning system (GPS) receiver for detecting GPS location data representing a current location of said adhesive medical dressing; ~~and~~
a cellular transmitter for transmitting said GPS location data to a network[[;]]
a power source for powering said cellular transmitter and said GPS receiver; and
an electrically isolating film that electrically isolates said power source from said cellular transmitter and said GPS receiver prior to removal of said electrically isolating film, wherein said GPS receiver, ~~and~~ said cellular transmitter, said power source and said electrically isolating film are attached to said adhesive layer, wherein said power source is located on one side of said electrically isolating film and said GPS receiver and said cellular transmitter are located on another side of said electrically isolating film.

2. (Original) The adhesive medical dressing of claim 1, further comprising a memory storing data representing a unique identification (ID) of said adhesive medical dressing.

Don't get into
state that
they are after
powered after
film removal?

3. (Currently Amended) The adhesive medical dressing of claim 1, wherein said power source includes ~~further comprising~~ a battery powering said cellular transmitter and said GPS receiver.

4. (Cancelled)

5. (Currently Amended) The adhesive medical dressing of claim 3 [[4]], wherein said electrically isolating film electrically isolates said battery from said cellular transmitter and said GPS receiver prior to removal of said electrically isolating film.

6. (Currently Amended) The adhesive medical dressing of claim 1 [[5]], wherein a removal of said electrically isolating film electrically connects said ~~battery~~ power source to said cellular transmitter and said GPS receiver.

7. (Currently Amended) The adhesive medical dressing of claim 1 [[4]], further comprising an adhesive covering film attached to said adhesive, wherein said adhesive covering film is attached to said electrically isolating film.

8. (Original) The adhesive medical dressing of claim 1, wherein said adhesive includes a medical grade hydrogel.

9. (Currently Amended) A method comprising:
electrically connecting a global positioning system (GPS) receiver and a cellular transmitter ~~of an adhesive medical dressing~~ to a power source ~~of the adhesive medical dressing~~ by removing an electrically isolating film, wherein said power source is located on one side of said electrically isolating film and said cellular transmitter and said GPS

before removal?

receiver are located on another side of said electrically isolating film, wherein said electrically isolating film electrically isolates said power source from said GPS receiver and said cellular transmitter prior to the removal of said electrically isolating film, and wherein said GPS receiver, said cellular transmitter, said power source, and said electrically isolating film are included in an adhesive medical dressing;

detecting GPS location data representing a location of said adhesive medical dressing ~~by the GPS receiver~~, wherein the GPS location data is received from the GPS receiver;

~~receiving~~ said GPS location data, wherein said cellular transmitter receives said GPS location data from said GPS receiver ~~by said cellular transmitter~~; and

transmitting said GPS location data to a server.

10. (Currently Amended) The method of claim 9, further comprising storing, in a memory on said adhesive medical dressing, unique identification (ID) data including a unique ID of said adhesive medical dressing.

11. (Original) The method of claim 10, further comprising transmitting said unique ID data from said cellular transmitter to said server.

12. (Currently Amended) The method of claim 11, further comprising storing, in said memory, internet protocol (IP) address data including an IP address of said server ~~in said memory~~.

13. (Original) The method claim 12, wherein said transmitting said unique unit ID data comprises transmitting said unique ID data to said IP address.

14. (Currently Amended) The method of claim 9, further comprising receiving, at a user device from said server, ~~information of a location~~ said GPS location data representing said location of said adhesive medical dressing.

15. (Original) The method of claim 14, further comprising displaying, at a display of said user device, a representation of said location of said bandage.

16. (Currently Amended) A system comprising:
an adhesive medical dressing including a first global position system (GPS) receiver, a cellular transmitter, ~~and~~ a memory, a power source, and an electrically isolating film, wherein said first GPS receiver ~~is for detecting~~ detects data representing a GPS location of said adhesive medical dressing, wherein said memory stores a unique identification (ID) of said adhesive medical dressing, wherein said power source is located on one side of said electrically isolating film and said cellular transmitter, said first GPS receiver, and said memory are located on another side of said electrically isolating film, wherein said electrically isolating film electrically isolates said power source from said first GPS receiver, said cellular transmitter, and said memory prior to the removal of said electrically isolating film;

an electronic device including ~~an electronic device~~ a second GPS receiver, an electronic device receiver, and a display, wherein said second GPS receiver ~~is for detecting~~ detects data representing a GPS location of said electronic device, wherein said electronic device receiver ~~is for receiving~~ receives said data representing said GPS location of said adhesive medical dressing, wherein said display ~~is for displaying~~ displays

Application No. 17/000,000
Attorney Docket No. 8888

data representing said GPS location of said adhesive medical dressing and said data representing said GPS location of said electronic device; and

a server including a server memory, a server receiver, a server processor, and a server transmitter, wherein said server memory stores a data structure comprising ~~data~~ representing a plurality of unique IDs of a plurality of adhesive medical dressings, wherein said server receiver ~~is for receiving~~ receives said data representing said GPS location of said adhesive medical dressing and said unique ID of said adhesive medical dressing, wherein said server processor ~~is for comparing~~ compares said unique ID of said adhesive medical dressing to said plurality of unique IDs stored in said server memory, wherein said server processor ~~is for calculating~~ calculates a displacement distance data representing a displacement between said GPS location of said adhesive medical dressing and said GPS location of said electronic device, wherein said server transmitter ~~is for transmitting~~ transmits said data representing said GPS location of said adhesive medical dressing to said electronic device.

17. (Original) The system of claim 16, further comprising a plurality of adhesive medical dressings for use by a plurality of users.

18. (Original) The system of claim 17, further comprising a plurality of electronic devices for use by said plurality of users.

19. (Currently Amended) The system of claim 16, wherein said displacement distance data is in units of miles.

Application No. 17/000,000
Attorney Docket No. 8888

REMARKS

The present application includes claims 1-19. Claims 1-19 were rejected.
By this Amendment, claim 4 ^{HAS} have been canceled and claims 1, 3, 5-7, 9, 10, 12, 14, 16, and 19 have been amended. *no new claims have been added*

Claims 9-19 were rejected under 35 U.S.C. §112(b) as being indefinite.

Claims 1-19 were rejected under 35 U.S.C. §102(a)(1) as being anticipated by
Gottesman, U.S. Patent No. 11,432,769.

The Applicant now turns to the rejection of claims 9-19 under 35 U.S.C. §
§112(b) as being indefinite. Claim 9 has been amended. An appropriate correction has ✓
been made to clarify the meaning of the limitation "a cellular transmitter of an adhesive
medical dressing to a power source of the adhesive medical dressing." As amended,
claim 9 recites "wherein said GPS receiver, said cellular transmitter, said power source,
and said electrically isolating film are included in an adhesive medical dressing."

An appropriate correction has been made to clarify "medical dressing to a power ✓
source." As amended, claim 9 recites, "electrically connecting a global position system
(GPS) receiver and a cellular transmitter to a power source."

Additionally, an appropriate correction has been made to clarify the meaning of
"an electrically isolating film." ⁷ As amended, claim 9 recites "wherein said power source
is located on one side of said electrically isolating film and said cellular transmitter and

*as you seem to be saying is that the
electrically isolating film
electrically isolates?
It is not really clear enough
for the Examiner*

said GPS receiver are located on another side of said electrically isolating film, wherein
said electrically isolating film electrically isolates said power source from said GPS
receiver and said cellular transmitter prior to the removal of said electrically isolating
film.”

Furthermore, appropriate corrections have been made to clarify the use of “by”
such as detecting a location “by” a GPS receiver and retrieving GPS location data “by” a
cellular transmitter. As amended, claim 9 recites “detecting GPS location data
representing a location of said adhesive medical dressing, wherein the GPS location data
is received from the GPS receiver.” Claim 9 has also been amended to recite “receiving
said GPS location data, wherein said cellular transmitter receives said GPS location data
from said GPS receiver.” ✓

Claim 16 has been amended to address the §112(b) rejection. Appropriate
corrections have been made to clarify all “for” statements that are impermissible
statements of intended use rather than actual claim limitations. As amended, claim 16
recites “GPS receiver detects data representing a GPS location,” “said electronic device
receiver receives said data,” “said display displays data,” “said server receiver receives
said data,” and “said server processor compares said unique ID.” ✓

Additionally, appropriate corrections have been made to clarify that the “global
position system (GPS) receiver” and the “electronic device GPS receiver” are not
replicated limitations. As amended, claim 16 recites “an adhesive medical dressing
including a first global position system (GPS) receiver” and “an electronic device
✓

Application No. 17/000,000
Attorney Docket No. 8888

including a second GPS receiver” to indicate that the GPS receiver in the first claim limitation is not replicated in the second claim limitation.

An appropriate correction has been made to clarify the limitation “a plurality of unique IDs.” As amended, claim 16 recites “wherein said server memory stores a plurality of unique IDs of a plurality of adhesive medical dressings.”

Furthermore, appropriate corrections have been made to clarify the limitation “a displacement.” As amended, claim 16 recites “wherein said server processor calculates distance data representing a displacement between said GPS location of said adhesive medical dressing and said GPS location of said electronic device.”

Claim 19, depending on claim 16, has likewise been amended in a parallel manner with the similar language.

Consequently, it is respectfully submitted that claims 1-19 are in compliance with 35 U.S.C. §112(b).

The Applicant now turns to the rejection of claims 1-19 under 35 U.S.C. § 102(a)(1) as being anticipated by Gottesman. Gottesman depicts an adhesive patch that includes an adhesive strip to secure to a subject’s body at Col. 11, Lines 25-30. Gottesman also notes that the patch includes a sensor module, such as a GPS sensor at Col. 9, Line 53. Additionally, Gottesman states that the patch includes a battery for powering the sensor module, where a sensor carrier holds the battery and sensor module in electrical contact, at Col. 14, Line 25-28.

Gottesman does not teach a GPS sensor that is electrically isolated from the battery. Gottesman also does not teach a lining or film that electrically isolates the GPS sensor from the battery. Independent claims 1, 9, and 16 all recite a film that electrically isolates a power source from a GPS receiver.

As amended, claim 1 recites "a power source for powering said cellular transmitter and said GPS receiver; and an electrically isolating film that electrically isolates said battery from said cellular transmitter and said GPS receiver prior to removal of said electrically isolating film, wherein said GPS receiver, said cellular transmitter, said power source and said electrically isolating film are attached to said adhesive layer, wherein said power source is located on one side of said electrically isolating film and said GPS receiver and said cellular transmitter are located on another side of said electrically isolating film."

Since Gottesman specifically describes its sensor carrier holding the battery and the sensor module in electrical contact, at Col. 14, Line 25-28, Gottesman does not teach an electrically isolating film that electrically isolates a battery from a cellular transmitter and a GPS receiver prior to removal of the electrically isolating film, and Gottesman does not teach that the power source is located on one side of the electrically isolating film and the GPS receiver and the cellular transmitter are located on another side of the electrically isolating film.

Claim 9, as amended, recites "wherein said power source is located on one side of said electrically isolating film and said cellular transmitter and said GPS receiver are

Application No. 17/000,000
Attorney Docket No. 8888

located on another side of said electrically isolating film, wherein said electrically isolating film electrically isolates said power source from said GPS receiver and said cellular transmitter prior to the removal of said electrically isolating film.”

Claim 16, as amended, recites “wherein said power source is located on one side of said electrically isolating film and said cellular transmitter, said first GPS receiver, and said memory are located on another side of said electrically isolating film, wherein said electrically isolating film electrically isolates said power source from said first GPS receiver, said cellular transmitter, and said memory prior to the removal of said electrically isolating film.”

Consequently, the Applicant respectfully submits independent claims 1, 9, and 16 to be free of Gottesan and allowable, along with their respective dependent claims 2-8, 10-515, 17-19.

Application No. 17/000,000
Attorney Docket No. 8888

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 8888, Account No. 8888.

Respectfully submitted,

✓
Date: April 14, 2023

✓
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