IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of:	
Salva Bambini	
Application No.: 17/000,000	Examiner: Daniel Nile
Filed: March 31, 2023	Group Art Unit: 3667
For: ADHESIVE MEDICAL DRESSING COMPRISING A GLOBAL POSITIONING SYSTEM RECEIVER AND A CELLULAR TRANSMITTER	Attorney Docket No.: 8888 Confirmation No.: 1234

AMENDMENT

Mail Stop AF
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 21, 2023. This Amendment is timely because it is being submitted within the period for reply which expires July 21, 2023. Please enter and consider the following:

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;

a cellular transmitter for transmitting said GPS location data to a network;

a power source for powering said cellular transmitter and said GPS receiver, wherein said GPS receiver, said cellular transmitter, and said power source are attached to said adhesive; and

an insulating film that physically isolates said power source from said cellular transmitter and said GPS receiver such that said power source is located on a first side of said insulating film and said GPS receiver and said cellular transmitter are located on a second side of said insulating film prior to removal of said insulating film, wherein said insulating film electrically isolates said power source from said cellular transmitter and said GPS receiver such that said power source is not electrically connected to said GPS receiver and said cellular transmitter prior to removal of said insulating film, wherein said

getting very clear! good!

insulating film is attached to said adhesive layer prior to removal of said insulating film, wherein said power source is electrically connected to said GPS receiver and said cellular transmitter after removal of said insulating film.

~~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, 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.

3. (Previously Presented) The adhesive medical dressing of claim 1, wherein said power source includes a battery powering said cellular transmitter and said GPS receiver.

4. (Cancelled)

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

6. (Cancelled)

7. (Currently Amended) The adhesive medical dressing of claim 1, further comprising an adhesive covering film attached to said adhesive, wherein said adhesive covering film is attached to said ~~electrically isolating~~ insulating 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 to a power source by removing an ~~electrically isolating~~ insulating film, wherein prior to removal of said insulating film, said insulating film physically isolates said power source from said GPS receiver and said cellular transmitter such that said power source is located on ~~one~~ a first side of said ~~electrically isolating~~ insulating film and said cellular transmitter and said GPS receiver are located on ~~another~~ a second side of said ~~electrically isolating~~ insulating film, wherein prior to removal of said insulating film said ~~electrically isolating~~ insulating film electrically isolates said power source from said GPS receiver and said cellular transmitter such that said power source is not electrically connected to 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, 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 at said cellular transmitter; and

transmitting said GPS location data to a server.

10. (Previously Presented) 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. (Previously Presented) The method of claim 11, further comprising storing, in said memory, internet protocol (IP) address data including an IP address of said server.

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. (Previously Presented) The method of claim 9, further comprising receiving, at a user device from said server, 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, a memory, a power source, and an ~~electrically isolating~~

insulating film, wherein said first GPS receiver 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 prior to removal of said insulating film said insulating film physically isolates said power source from said first GPS receiver, said cellular transmitter, and said memory such that said power source is located on ~~one~~ a first side of said ~~electrically isolating~~ insulating film and said cellular transmitter, said first GPS receiver, and said memory are located on ~~another~~ a second side of said ~~electrically isolating~~ insulating film, wherein prior to removal of said insulating film said ~~electrically isolating~~ insulating film electrically isolates said power source from said first GPS receiver such that said power source is not electrically connected to said first GPS receiver, said cellular transmitter, and said memory, wherein said power source is electrically connected to said GPS receiver and said cellular transmitter after removal of said insulating film ~~prior to the removal of said electrically isolating film~~;

an electronic device including a second GPS receiver, an electronic device receiver, and a display, wherein said second GPS receiver detects data representing a GPS location of said electronic device, wherein said electronic device receiver receives said data representing said GPS location of said adhesive medical dressing, wherein said display displays 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 a

plurality of unique IDs of a plurality of adhesive medical dressings, wherein said server receiver 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 compares said unique ID of said adhesive medical dressing to said plurality of unique IDs stored in said server memory, 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, wherein said server transmitter transmits said data representing said GPS location of said adhesive medical dressing to said electronic device, wherein said power source is electrically connected to said GPS receiver and said cellular transmitter after removal of said insulating film.

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. (Previously Presented) The system of claim 16, wherein said distance data is in units of miles.

REMARKS

The present application includes claims 1-3 and 5-19. Claims 1-3 and 5-19 were rejected. By this Amendment, claim 6 has been canceled, claims 1, 5, 7, 9, and 16 have been amended, and no new claims have been added.

Claims 1-3 and 5-19 were rejected under 35 U.S.C. §112(b) as being indefinite.

Claims 1-3 and 5-19 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 1-3 and 5-19 under 35 U.S.C. § 112(b) as indefinite. Claims 1, 9, and 16 have been amended to clarify the limitations of a film that "electrically isolates." As amended, claim 1 recites "wherein said insulating film electrically isolates said power source from said cellular transmitter and said GPS receiver such that said power source is not electrically connected to said GPS receiver and said cellular transmitter prior to removal of said insulating film." Similar appropriate corrections have been to claim 9. As amended, claim 9 recites "wherein prior to removal of said insulating film said-insulating film electrically isolates said power source from said GPS receiver and said cellular transmitter such that said power source is not electrically connected to said GPS receiver and said cellular transmitter." Also, similar appropriate corrections have been made to claim 16. As amended, claim 16 recites "wherein prior to removal of said insulating film said insulating film electrically isolates

said power source from said first GPS receiver such that said power source is not electrically connected to said first GPS receiver, said cellular transmitter, and said memory."

Claims 1 and 16 have been further amended to clarify the limitations in structure and function of after the removal from "prior to removal." As amended, claim 1 recites wherein said power source is electrically connected to said GPS receiver and said cellular transmitter after removal of said insulating film." As similar amendment has been made to claim 16. As amended, claim 16 recites "wherein said power source is electrically connected to said GPS receiver and said cellular transmitter after removal of said insulating film."

Consequently, it is respectfully submitted that claims 1-3 and 5-19 are in compliance with 35 U.S.C. § 112(b).

The Applicant now turns to the rejection of claims 1-3 and 5-19 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 notes that the patch includes a sensor module, such as a GPS sensor at Col. 9, Line 53. 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, Lines 25-28. Gottesman also teaches gaskets that provide environmental isolation between sensors in a sensor module at Col. 9, Lines 21-22. Additionally, at Col.

12, Lines 33-36, Gottesman teaches a "release sheet" that protects an adhesive strip, and the removal of the release sheet exposes the adhesive.

Gottesman does not teach a GPS sensor that is physically isolated or electrically isolated from the battery. Also, Gottesman does not teach a lining or filming that physically isolates the GPS sensor from the battery. Gottesman 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 physically isolates and electrically isolates a power source from a GPS receiver.

As amended, claim 1 recites "an insulating film that physically isolates said power source from said cellular transmitter and said GPS receiver" and "said insulating film electrically isolates said power source from said cellular transmitter and said GPS receiver." This is not taught by Gottesman

Claim 9, as amended, recites "prior to removal of said insulating film, said insulating film physically isolates said power source from said GPS receiver" and "prior to removal of said insulating film said insulating film electrically isolates said power source from said GPS receiver."

Claim 16, as amended, recites "prior to removal of said insulating film said insulating film physically isolates said power source from said first GPS receiver" and "wherein prior to removal of said insulating film said insulating film electrically isolates said power source from said first GPS receiver."

As mentioned above, Gottesman teaches that there are gaskets providing environmental isolation between sensors, at Col. 9, Lines 21-22, and a release strip that specifically protects an adhesive, at Col. 12, Lines 33-36. Consequently, Gottesman does not teach that there is a film or lining physically located between the battery and the GPS sensor. Claim 1 recites the physical arrangement of the insulating film, the GPS receiver, and the power source, reciting "said power source is located on a first side of said insulating film and said GPS receiver and said cellular transmitter are located on a second side of said insulating film prior to removal of said insulating film." Independent claim 9 and 16 recite similar language.

Also as mentioned above, Gottesman specifically describes its sensor carrier holding the battery and sensor module in electrical contact, at Col. 14, Line 25-28. Consequently, Gottesman does not teach that the battery and GPS sensor are not electrically connected.

Consequently, the Applicant respectfully submits independent claims 1, 9, and 16 to be free of Gottesman and allowable, along with their respective dependent claims, 2-8, 10-15, and 17-19.

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 28, 2023

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