

**IN THE UNITED STATES DISTRICT COURT
FOR THE DISTRICT OF MINNESOTA**

DISPLAY TECHNOLOGIES, LLC,

Plaintiff,

vs.

ARKRAY USA, INC.,

Defendant.

§
§
§
§
§
§
§
§
§
§

Case No:

PATENT CASE

COMPLAINT

Plaintiff Display Technologies, LLC (“Plaintiff” and/or “Display”) files this Complaint against Arkray USA, Inc. (“Defendant” and/or “Arkray”) for infringement of United States Patent No. 9,300,723 (the “ ‘723 Patent”).

PARTIES AND JURISDICTION

1. This is an action for patent infringement under Title 35 of the United States Code. Plaintiff is seeking injunctive relief as well as damages.

2. Jurisdiction is proper in this Court pursuant to 28 U.S.C. §§ 1331 (Federal Question) and 1338(a) (Patents) because this is a civil action for patent infringement arising under the United States patent statutes.

3. Plaintiff is a Texas limited liability company with an address of 1 East Broward Boulevard, Suite 700, Ft. Lauderdale, FL 33301.

4. On information and belief, Defendant is a Delaware corporation with a principal place of business at 5182 West 76th Street, Minneapolis, MN 55439. On information and belief, Defendant may be served through its registered agent, The Corporation Trust Company, Corporation Trust Center, 1209 Orange St., Wilmington, DE 19801.

5. This Court has personal jurisdiction over Defendant because Defendant has committed, and continues to commit, acts of infringement in this District, has conducted business in this District, and/or has engaged in continuous and systematic activities in this District.

6. Upon information and belief, Defendant's instrumentalities that are alleged herein to infringe were and continue to be used, imported, offered for sale, and/or sold in this District.

VENUE

7. On information and belief, venue is proper in this District under 28 U.S.C. § 1400(b) because Defendant is a resident of this District. Alternatively, acts of infringement are occurring in this District and Defendant has a regular and established place of business in this District.

COUNT I **(INFRINGEMENT OF UNITED STATES PATENT NO. 9,300,723)**

8. Plaintiff incorporates paragraphs 1 through 7 herein by reference.

9. This cause of action arises under the patent laws of the United States and, in particular, under 35 U.S.C. §§ 271, *et seq.*

10. Plaintiff is the owner by assignment of the '723 Patent with sole rights to enforce the '723 Patent and sue infringers.

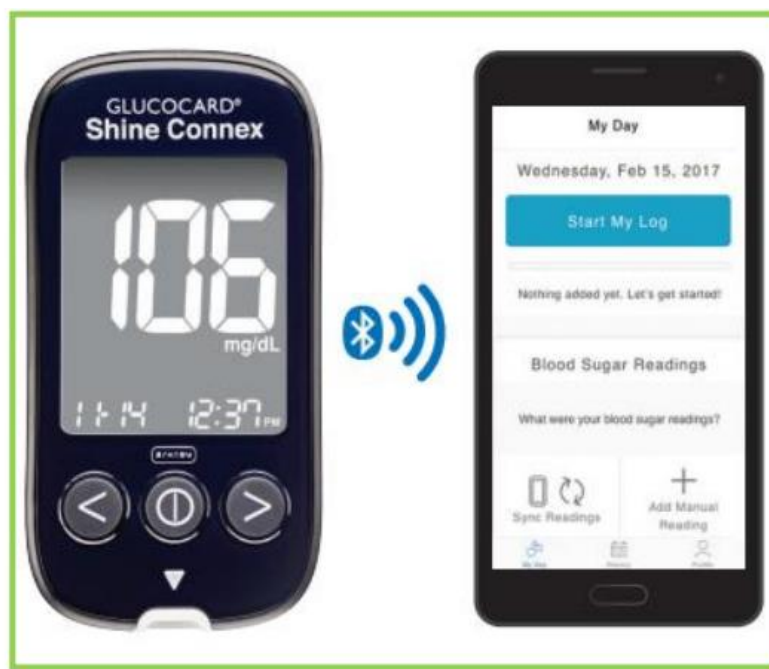
11. A copy of the '723 Patent, titled "Enabling social interactive wireless communications," is attached hereto as Exhibit A.

12. The '723 Patent is valid, enforceable, and was duly issued in full compliance with Title 35 of the United States Code.

13. Defendant has infringed and continues to infringe one or more claims, including at least Claim 1 of the '723 Patent by making, using, and/or selling media systems covered by

one or more claims of the '723 Patent. For example, Defendant makes, uses, and/or sells the ARK Care VITA app, GLUCOCARD Shine Connex blood glucose meter, associated software, hardware and/or apps, and any similar products ("Product"). Defendant has infringed and continues to infringe the '723 Patent in violation of 35 U.S.C. § 271.

14. Regarding Claim 1, the Product is a media system. The Product includes a media system (e.g., health app) configured to allow a user to view a media file (e.g., health data) from a medical device by a media terminal (e.g., smartphone) from a media node (e.g., medical device) over a communication network (e.g., Bluetooth network) through a communication link. Certain aspects of this element are illustrated in the screenshots below and/or those provided in connection with other allegations herein.



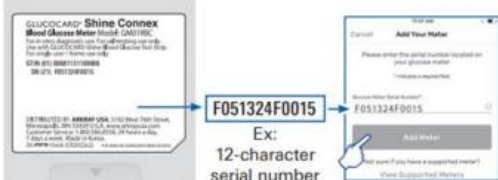
Source: https://www.arkrayusa.com/diabetes-management/sites/arkrayusa.com.diabetes-management/files/Shine-Connex_Pairing-Guide_EN.pdf

Pairing Meter and Smartphone during Sign Up

Pair your meter and smartphone to send your test results to ARK Care VITA through Bluetooth® wireless connection.

1. **Smartphone** Turn on **Bluetooth®**
2. **Smartphone** Launch **ARK Care VITA**
3. **Smartphone** Tap **Sign Up**
4. **Smartphone** Follow steps on the App to create your account

5. **Smartphone** Enter the serial number (found on the back of your GLUCOCARD® Shine Connex Blood Glucose Meter) into the ARK Care VITA app. Enter only the 12-character serial number. See example below.



Source: https://www.arkrayusa.com/diabetes-management/sites/arkrayusa.com.diabetes-management/files/Shine-Connex_Pairing-Guide_EN.pdf

Bluetooth® Wireless Technology

Bluetooth® wireless technology is used by some smartphones and many other devices. GLUCOCARD® Shine Connex Meter uses Bluetooth® wireless technology to pair* and to send your glucose test results to a smartphone.

The GLUCOCARD® Shine Connex Meter is designed to work with the ARK Care® VITA mobile app. When using the GLUCOCARD Shine Connex Blood Glucose System, we suggest you pair your GLUCOCARD Shine Connex Meter with your smartphone and track your test results.

Source: https://www.arkrayusa.com/diabetes-management/sites/arkrayusa.com.diabetes-management/files/Shine-Connex_Manual_EN.pdf

15. The Product includes at least one media terminal disposed in an accessible relation to at least one interactive computer network. For example, the Bluetooth network is used for sending health data from a media node (medical device) by detecting a smartphone (at least one media terminal) when the Product’s app is installed on the smartphone and connected with the Product’s media node through a Bluetooth network (i.e., the smartphone is in an accessible relationship with the interactive computer network). Certain aspects of this element are illustrated in the screenshots below and/or in those provided in connection with other allegations herein.



Source: https://www.arkrayusa.com/diabetes-management/sites/arkrayusa.com.diabetes-management/files/Shine-Connex_Pairing-Guide_EN.pdf

Bluetooth® Wireless Technology

Bluetooth® wireless technology is used by some smartphones and many other devices. GLUCOCARD® Shine Connex Meter uses Bluetooth® wireless technology to pair* and to send your glucose test results to a smartphone.

The GLUCOCARD® Shine Connex Meter is designed to work with the ARK Care® VITA mobile app. When using the GLUCOCARD Shine Connex Blood Glucose System, we suggest you pair your GLUCOCARD Shine Connex Meter with your smartphone and track your test results.

Source: https://www.arkrayusa.com/diabetes-management/sites/arkrayusa.com.diabetes-management/files/Shine-Connex_Manual_EN.pdf

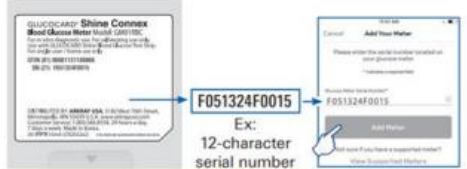
16. A wireless range is structured to permit authorized access to the at least one interactive computer network. For example, the Bluetooth signals of the Product's medical device (media node) have a range within which the smartphone (media terminal) may connect.

Pairing Meter and Smartphone during Sign Up

Pair your meter and smartphone to send your test results to ARK Care VITA through Bluetooth® wireless connection.

1. **Smartphone** Turn on **Bluetooth®**
2. **Smartphone** Launch **ARK Care VITA**
3. **Smartphone** Tap **Sign Up**
4. **Smartphone** Follow steps on the App to create your account

5. **Smartphone** Enter the serial number (found on the back of your GLUCOCARD® Shine Connex Blood Glucose Meter) into the ARK Care VITA app. Enter only the 12-character serial number. See example below.



Source: https://www.arkrayusa.com/diabetes-management/sites/arkrayusa.com.diabetes-management/files/Shine-Connex_Pairing-Guide_EN.pdf

Tips for Using Bluetooth®

- To avoid problems when connecting your meter to a smartphone, place the devices close to each other.
- Ensure that your meter and the other Bluetooth® device are within the connection range 32 feet (10 meters).

Source: https://www.arkrayusa.com/diabetes-management/sites/arkrayusa.com.diabetes-management/files/Shine-Connex_Pairing-Guide_EN.pdf

Bluetooth® Wireless Technology

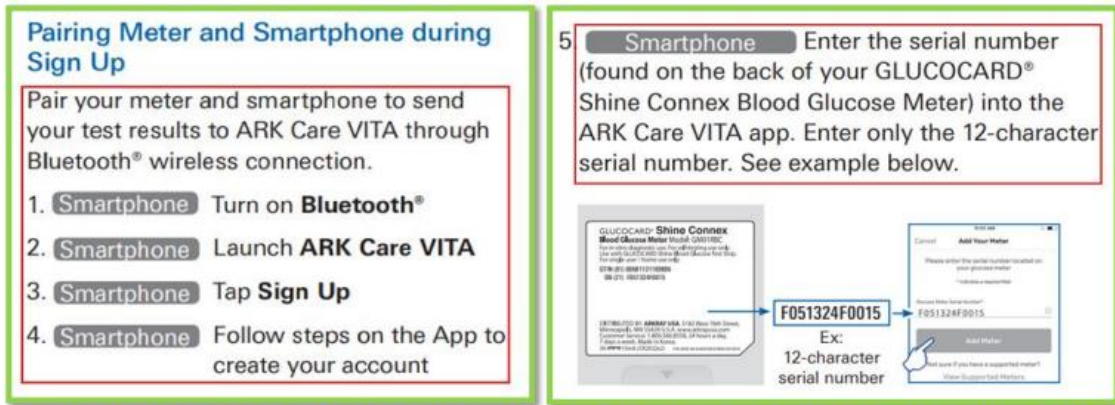
Bluetooth® wireless technology is used by some smartphones and many other devices. GLUCOCARD® Shine Connex Meter uses Bluetooth® wireless technology to pair* and to send your glucose test results to a smartphone.

The GLUCOCARD® Shine Connex Meter is designed to work with the ARK Care® VITA mobile app. When using the GLUCOCARD Shine Connex Blood Glucose System, we suggest you pair your GLUCOCARD Shine Connex Meter with your smartphone and track your test results.

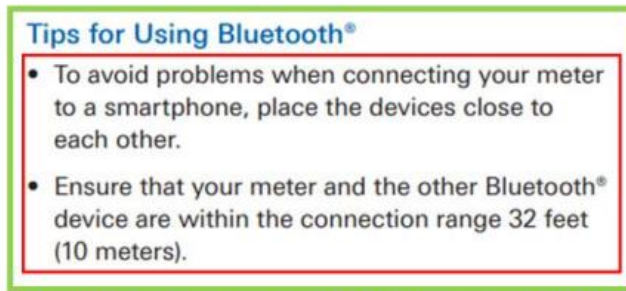
Source: https://www.arkrayusa.com/diabetes-management/sites/arkrayusa.com.diabetes-management/files/Shine-Connex_Manual_EN.pdf

17. At least one media node is disposable within the wireless range, wherein the at least one media node is detectable by the at least one media terminal. For example, the Product’s medical device (media node) is detectable by the media terminal (smartphone). Certain aspects

of this element are illustrated in the screenshots below and/or those provided in connection with other allegations herein.



Source: https://www.arkrayusa.com/diabetes-management/sites/arkrayusa.com.diabetes-management/files/Shine-Connex_Pairing-Guide_EN.pdf



Source: https://www.arkrayusa.com/diabetes-management/sites/arkrayusa.com.diabetes-management/files/Shine-Connex_Pairing-Guide_EN.pdf

18. At least one digital media file is initially disposed on at least one of the at least one media terminal or the at least one media node and the at least one media terminal is structured to detect the at least one media node disposed within the wireless range. For example, the health data is initially disposed on the media node (medical device/monitor) and the media terminal can detect the medical device when it is within the appropriate range. Certain aspects of this element are illustrated in the screenshots below and/or those provided in connection with other allegations herein.

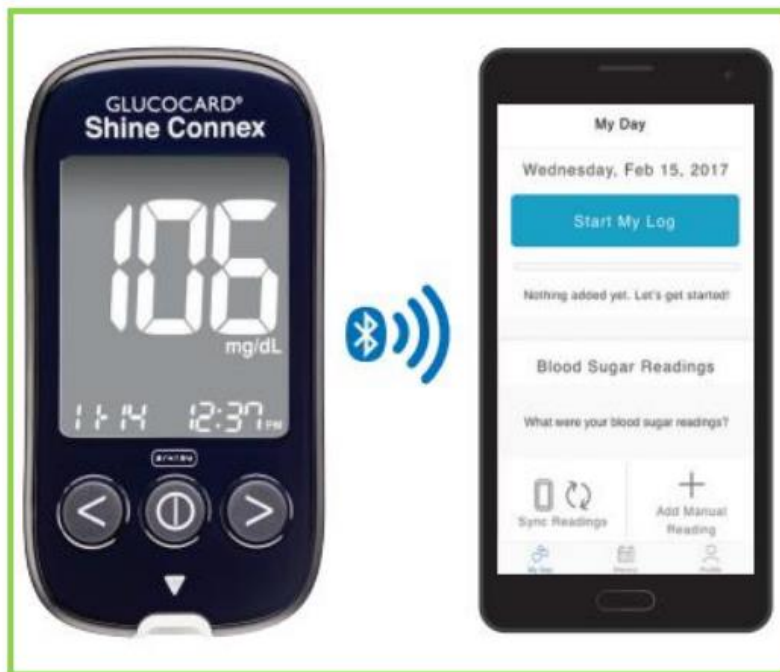
Bluetooth® Wireless Technology

Bluetooth® wireless technology is used by some smartphones and many other devices. GLUCOCARD® Shine Connex Meter uses Bluetooth® wireless technology to pair* and to send your glucose test results to a smartphone.

The GLUCOCARD® Shine Connex Meter is designed to work with the ARK Care® VITA mobile app. When using the GLUCOCARD Shine Connex Blood Glucose System, we suggest you pair your GLUCOCARD Shine Connex Meter with your smartphone and track your test results.

Source: https://www.arkrayusa.com/diabetes-management/sites/arkrayusa.com.diabetes-management/files/Shine-Connex_Manual_EN.pdf

19. A communication link is structured to dispose the at least one media terminal and the at least one media node in a communicative relation with one another via the at least one interactive computer network. For example, the smartphone and medical device are in a communicative relation over the Bluetooth network.



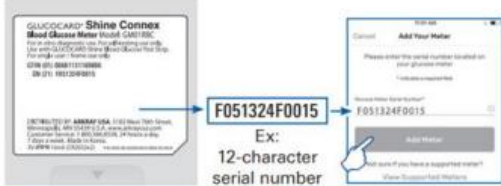
Source: https://www.arkrayusa.com/diabetes-management/sites/arkrayusa.com.diabetes-management/files/Shine-Connex_Pairing-Guide_EN.pdf

Pairing Meter and Smartphone during Sign Up

Pair your meter and smartphone to send your test results to ARK Care VITA through Bluetooth® wireless connection.

1. **Smartphone** Turn on **Bluetooth®**
2. **Smartphone** Launch **ARK Care VITA**
3. **Smartphone** Tap **Sign Up**
4. **Smartphone** Follow steps on the App to create your account

5. **Smartphone** Enter the serial number (found on the back of your GLUCOCARD® Shine Connex Blood Glucose Meter) into the ARK Care VITA app. Enter only the 12-character serial number. See example below.



Source: https://www.arkrayusa.com/diabetes-management/sites/arkrayusa.com.diabetes-management/files/Shine-Connex_Pairing-Guide_EN.pdf

Bluetooth® Wireless Technology

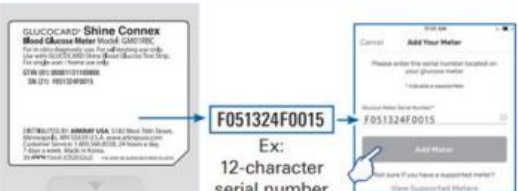
Bluetooth® wireless technology is used by some smartphones and many other devices. GLUCOCARD® Shine Connex Meter uses Bluetooth® wireless technology to pair* and to send your glucose test results to a smartphone.

The GLUCOCARD® Shine Connex Meter is designed to work with the ARK Care® VITA mobile app. When using the GLUCOCARD Shine Connex Blood Glucose System, we suggest you pair your GLUCOCARD Shine Connex Meter with your smartphone and track your test results.

Source: https://www.arkrayusa.com/diabetes-management/sites/arkrayusa.com.diabetes-management/files/Shine-Connex_Manual_EN.pdf

20. The communication link is initiated by the at least one media terminal. For example, when the user turns on Bluetooth on the smartphone (media terminal), the smartphone initiates the communication link.

5. **Smartphone** Enter the serial number (found on the back of your GLUCOCARD® Shine Connex Blood Glucose Meter) into the ARK Care VITA app. Enter only the 12-character serial number. See example below.



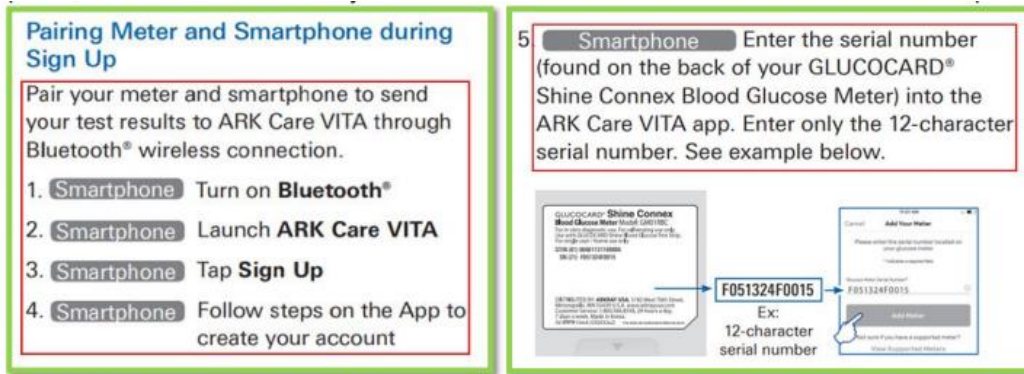
Pairing Meter and Smartphone during Sign Up

Pair your meter and smartphone to send your test results to ARK Care VITA through Bluetooth® wireless connection.

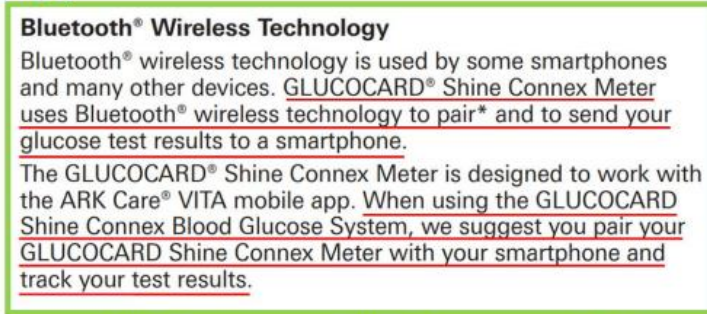
1. **Smartphone** Turn on **Bluetooth®**
2. **Smartphone** Launch **ARK Care VITA**
3. **Smartphone** Tap **Sign Up**
4. **Smartphone** Follow steps on the App to create your account

Source: https://www.arkrayusa.com/diabetes-management/sites/arkrayusa.com.diabetes-management/files/Shine-Connex_Pairing-Guide_EN.pdf

21. The at least one media node and the at least one media terminal are structured to transmit the at least one digital media file therebetween via the communication link. For example, the smartphone/app and the medical device are structured to transmit health data from the device to the smartphone over the wireless network.



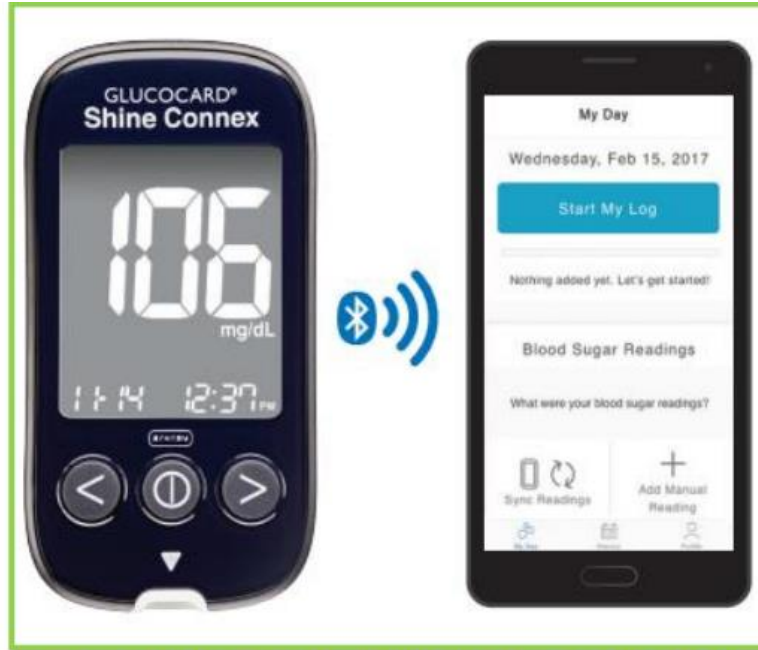
Source: https://www.arkrayusa.com/diabetes-management/sites/arkrayusa.com.diabetes-management/files/Shine-Connex_Pairing-Guide_EN.pdf



Source: https://www.arkrayusa.com/diabetes-management/sites/arkrayusa.com.diabetes-management/files/Shine-Connex_Manual_EN.pdf

22. The communication link is structured to bypass at least one media terminal security measure for a limited permissible use of the communication link by the media node to only transferring the at least one digital media file to, and displaying the at least one digital media file on, the at least one media terminal. For example, the communication link is structured so that whenever the user installs the Product’s app on the smartphone (media terminal), the smartphone automatically connects (bypassing any security measures) with the Product’s medical device through Bluetooth code (i.e., media terminal security) whenever the smartphone comes to the range of the Bluetooth signals (for the limited purpose of transferring data form the

device to the smartphone).



Source: https://www.arkrayusa.com/diabetes-management/sites/arkrayusa.com.diabetes-management/files/Shine-Connex_Pairing-Guide_EN.pdf

Tips for Using Bluetooth®

- To avoid problems when connecting your meter to a smartphone, place the devices close to each other.
- Ensure that your meter and the other Bluetooth® device are within the connection range 32 feet (10 meters).

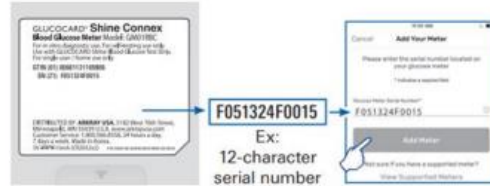
Source: https://www.arkrayusa.com/diabetes-management/sites/arkrayusa.com.diabetes-management/files/Shine-Connex_Pairing-Guide_EN.pdf

Pairing Meter and Smartphone during Sign Up

Pair your meter and smartphone to send your test results to ARK Care VITA through Bluetooth® wireless connection.

1. **Smartphone** Turn on **Bluetooth®**
2. **Smartphone** Launch **ARK Care VITA**
3. **Smartphone** Tap **Sign Up**
4. **Smartphone** Follow steps on the App to create your account

5. **Smartphone** Enter the serial number (found on the back of your GLUCOCARD® Shine Connex Blood Glucose Meter) into the ARK Care VITA app. Enter only the 12-character serial number. See example below.



Source: https://www.arkrayusa.com/diabetes-management/sites/arkrayusa.com.diabetes-management/files/Shine-Connex_Pairing-Guide_EN.pdf

Bluetooth® Wireless Technology

Bluetooth® wireless technology is used by some smartphones and many other devices. GLUCOCARD® Shine Connex Meter uses Bluetooth® wireless technology to pair* and to send your glucose test results to a smartphone.

The GLUCOCARD® Shine Connex Meter is designed to work with the ARK Care® VITA mobile app. When using the GLUCOCARD Shine Connex Blood Glucose System, we suggest you pair your GLUCOCARD Shine Connex Meter with your smartphone and track your test results.

Source: https://www.arkrayusa.com/diabetes-management/sites/arkrayusa.com.diabetes-management/files/Shine-Connex_Manual_EN.pdf

Tips for Using Bluetooth®

- To avoid problems when connecting your meter to a smartphone, place the devices close to each other.
- Ensure that your meter and the other Bluetooth® device are within the connection range 32 feet (10 meters).

Source: https://www.arkrayusa.com/diabetes-management/sites/arkrayusa.com.diabetes-management/files/Shine-Connex_Pairing-Guide_EN.pdf

23. Defendant’s actions complained of herein will continue unless Defendant is enjoined by this court.

24. Defendant’s actions complained of herein are causing irreparable harm and monetary damage to Plaintiff and will continue to do so unless and until Defendant is enjoined and restrained by this Court.

25. Plaintiff is in compliance with 35 U.S.C. § 287.

JURY DEMAND

26. Under Rule 38(b) of the Federal Rules of Civil Procedure, Plaintiff respectfully requests a trial by jury on all issues so triable.

PRAYER FOR RELIEF

WHEREFORE, Plaintiff asks the Court to:

(a) Enter judgment for Plaintiff on this Complaint on all causes of action asserted

herein;

(b) Enter an Order enjoining Defendant, its agents, officers, servants, employees, attorneys, and all persons in active concert or participation with Defendant who receive notice of the order from further infringement of United States Patent No. 9,300,723 (or, in the alternative, awarding Plaintiff running royalties from the time of judgment going forward);

(c) Award Plaintiff damages resulting from Defendant's infringement in accordance with 35 U.S.C. § 284;

(d) Award Plaintiff pre-judgment and post-judgment interest and costs; and

(e) Award Plaintiff such further relief to which the Court finds Plaintiff entitled under law or equity.

Dated: November 5, 2021

Respectfully submitted,

Eric J. Strobel

Eric J. Strobel, Director
Strobel Consulting Services, LLC
608 E. 38th Street
Sioux Falls, SD 57105
651.338.7044
eric@strobelconsulting.net

ATTORNEYS FOR PLAINTIFF