

Artificial Intelligence (AI) Added to World's Most Secure Biometric Credit Card : SmartMetric, Inc. (Stock Symbol: SMME)

Artificial Intelligence (AI) Added to World's Most Secure Biometric Credit Card, Now With Thermal Sensing to Defeat Fake Fingerprints: (Stock Symbol: SMME)

LAS VEGAS, NEVADA, UNITED STATES, June 5, 2023 /EINPresswire.com/ -- Artificial Intelligence (AI) Added to World's Most Secure Biometric Credit Card, Now With Thermal Sensing to Defeat Fake Fingerprints: SmartMetric, Inc. ([Stock Symbol: SMME](#))



□ Biometric Fingerprint Scanning for Credit & Debit Card Fraud Protection.

□ US Patent Office Protection Granted to Prevent Copy-Cat Versions.

“

we already use a separate advanced and powerful MCU with IO ports, we are able to now quickly innovate new functions into our biometric credit card such as embedding AI into our electronics platform”

*SMME President and CEO,
Chaya Hendrick.*

□ The Only Biometric Credit Card That Can Be Used in ALL Card Readers.

□ Working with One of the World's Largest Credit Card Network Brands.

□ Engineers Working to Incorporate Artificial Intelligence (AI) into New Versions.

□ Thermal Sensing Technology Added to Counter Fake Fingerprint Threat.

□ Filed for Patents Internationally While Having Issued Patents In the USA.

□ Spain is the First European Country to Announce the Adoption of Fingerprint Activated

Biometric Credit and Debit Cards with No Mag Stripe.

SmartMetric ([OTC: SMME](#)) is the creator of an advanced Biometric payment card technology that addresses the multibillion existing chip-based credit and debit card market. Figures published by EMVCo reveal that by the year-end of 2020, 10.8 billion EMV® chip cards have been issued by financial institutions and were in global circulation – a massive increase of nearly 1 billion credit and debit EMV® cards compared to the previous twelve months.

After the cardholder's fingerprint is stored inside the SMME card, all the user needs to do is touch the fingerprint sensor on the surface. In less time than it takes to reach across to insert the card into a credit or debit card reader, the card has scanned the user's fingerprint and matched it with the pre-stored fingerprint inside the card. On a successful match, the card is turned on so that it can perform a card transaction.

The ease of use of the SMME biometric card, along with the fact that it is powered by the SMME internal green battery prior to the card being inserted into a reader to power the internal processor doing the fingerprint scan, means the SMME card is the only card that can work across all card reader types and situations. Biometric cards that do not have an internal independent power supply are very limited in where such cards can be used. A big advantage for both credit card users, as well as banks in fighting card fraud, is the fact that the SMME biometric card can not be activated if someone else is trying to use the card.



\$SMME Benefits



\$SMME The Future



\$SMME Fingerprint

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□ SMME to Embed Artificial Intelligence Into Its Biometric Credit Card

On June 2nd SMME announced that while the company is close to releasing its advanced premium fingerprint biometric-activated credit card, their engineers are now working on adding embedded AI into the card's electronics.

Since SMME designed its biometric credit card with a dual processor, it has provided the company with the ability to innovate way beyond the simple functions of a standard credit card. The payments processing chip is separate from the advanced cryptographic MCU that is also embedded in the SMME card. This MCE is used for storing the cardholder's fingerprint and performing computing functions such as storing and match of the user's fingerprint on the card.

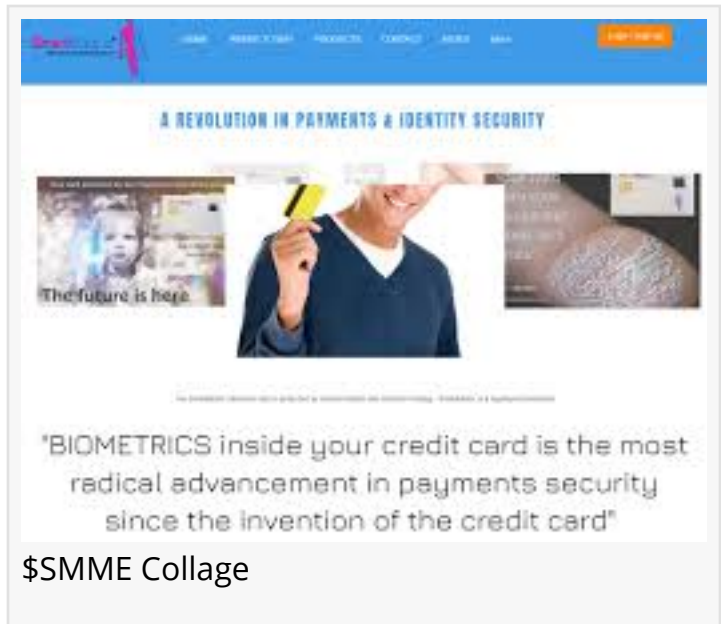
Adding embedded AI inside the electronics of the SMME biometric credit card will provide a whole new world of application and real-time uses beyond doing a simple credit card transaction. AI with biometrics is a revolutionary advance in credit card security and user applications.

“Because we already use a separate advanced and powerful MCU with IO ports, we are able to now quickly innovate new functions into our biometric credit card such as embedding AI into our electronics platform said SMME President and CEO, Chaya Hendrick.”

“We have a team of some of the smartest electronics and software engineers in the world working for us in Tel Aviv, Israel who are now enthusiastically working on bringing AI as an embedded functional solution into our biometric fingerprint credit card, said Chaya Hendrick.”

The SMME electronics and software team have been working for over a decade and are well versed in adapting advanced electronic solutions into miniature very thin form factors.

Embedded AI integrates AI into electronic systems. Embedded AI differs from cloud-based AI because it does not rely on remote computing resources to perform AI tasks. Instead, embedded



AI is integrated directly into electronic devices, allowing them to perform AI tasks locally.

□ SMME Premium Biometric Fingerprint Activated Credit Cards Add Thermal Sensing to Defeat Fake Fingerprint Fraud Attempts

On May 3rd SMME announced that it has successfully added thermal sensing inside of its biometric fingerprint-activated credit cards in order to defeat fake artificial fingerprints from fraudsters wanting to fool the biometric protection inside the SMME card.

The use of thermal sensing to determine if the card user is a real person became evident as a much-needed anti-fraud element in a biometric fingerprint card. Some have erroneously said that live fingerprint detection can be done using the software. SMME, having tested in its research and development center in Tel Aviv, Israel found that these anti-fraud live detection through software claims are not credible. The fake fingerprint is able to trigger a biometric detection in most attempts and therefore is totally unsafe in a high-security environment such as a Credit Card or Identity Card.

Using thermal in-card sensing allows the fingerprint recognition software to also recognize if the person touching the card's biometric sensor is in fact a live person. A live person has a body temperature within a standard range and anything outside of this body temperature range will not allow the biometric fingerprint recognition to work.

SMME founder and inventor, Chaya Hendrick has increased the patent protection for the advanced premium biometric card with new filings both in the United States and internationally.

“Of particular importance is the company's design patents that protect against copycats who would want to copy the physical design features of the biometric card. Patent protection has been filed in most global markets in Europe, Asia, and the Americas. Enforcement of design patents is swift and effective allowing the patent holder to obtain an injunction against offending companies without having to spend years in a Federal Court,” said Chaya Hendrick.

The SMME biometric fingerprint-activated credit card is also protected by issued patents in the United States that effectively prohibit anyone else from bringing to market a credit or debit card with a chip and a standard fingerprint sensor.

□ SMME has Filed for Patents Internationally While Having Issued Patents In The United States

On April 25th SMME) founder and inventor, Chaya Hendrick has increased the patent protection for the advanced premium biometric card with new international filings both in the United States and internationally.

The SMME biometric fingerprint-activated credit card is also protected by issued patents in the

United States that effectively prohibit anyone else from bringing to market a credit or debit card with a chip and a standard fingerprint sensor.

Having issued and pending patents for biometric fingerprint-activated credit and debit cards benefits SMME in protecting itself from others who would want to enter the massive biometric credit card market. SMME will enforce patents in order to protect the company from predatory copy cats who may attempt to steal the intellectual property of the company's biometric fingerprint-activated card.

The SMME advanced biometric fingerprint card has undergone serious product advancement. The new version with live hardware-based fingerprint recognition along with the new green hybrid miniature rechargeable battery and advanced power management system has been assembled. The SMME card's unique internal operating system, fingerprint recognition algorithm along with an advanced created internal power management system is being inserted into the card separate to the location where the card's electronics have been assembled. This was done to protect the card's systems and operating software in a protected and secure environment.

□ End of the Credit Card Mag Stripe, with it Being Replaced By Fingerprint Biometric Cards

On April 21st SMME reported that Spain is the first European country that has officially announced the adoption of fingerprint-activated biometric credit and debit cards that will not have a mag stripe.

Because of the inherited risk of mag stripes that are easily read and copied, Spain is being reported that card issuing banks will stop using magnetic stripes on their cards and replace existing credit cards with fingerprint biometrics-only cards.

SMME is well positioned to capitalize on this revolutionary change in the banking credit card industry. Having just announced the assembly of its new biometric card that incorporates the company's latest advancements such as hardware-based live fingerprint detection on the card as well as an advanced green hybrid nano rechargeable battery inside the card.

The SMME biometric fingerprint-activated card is compatible with all existing credit card readers and ATMs. Since it has its own internal green hybrid green nano battery it works with readers that take into the reader card such as ATMs and most new chip card reading gas pumps.

For more information on SMME visit: <https://www.smartmetric.com>

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