

**UNITED STATES PATENT AND TRADEMARK OFFICE**  
**BEFORE THE PATENT TRIAL AND APPEAL BOARD**

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Samsung Electronics America, Inc. and  
Samsung Electronics Co., Ltd.  
Petitioner,

v.

RF Cyber Corp.,  
Patent Owner.

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Patent No. 9,240,009 to Koh et al.

IPR Case No.: IPR2021-00981

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**DECLARATION OF GERALD W. SMITH**

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**CLAIM LISTING**

**CLAIM 1:**

[1.PREAMBLE] A mobile device for conducting a secured transaction over a network, the mobile device comprising:

[1a] a network interface;

[1b] an interface to receive a secure element;

[1c] a memory space for storing at least a module and an application downloaded from the network;

[1d] a processor coupled to the memory space and configured to execute the module to perform operations including:

[1di] sending to a server via the network interface an identifier identifying the application together with device information of a secure element,

[1dii] wherein the application is downloaded from the network in the mobile device;

[1diii] establishing a secured channel between the secure element and the server using a key set installed on the secure element, [1div] wherein the server is configured to prepare data necessary for the application to function as designed on the mobile device; and

[1dv] receiving the data from the server to associate the application with the secure element, [1dvi] wherein the application subsequently functions in conjunction with the secure element.

**CLAIM 2:**

The mobile device as recited in claim 1, wherein the data received in the mobile device includes an application key set for the application, and a user interface specifically designed for the mobile device.

**CLAIM 3:**

The mobile device as recited in claim 2, wherein the mobile device is a near field communication (NFC) enabled mobile phone, and the application is an electronic purse (e-purse), the mobile device is used to exchange secured data with another device within a near distance to conduct a transaction.

**CLAIM 4:**

The mobile device as recited in claim 3, wherein the secured data is being exchanged over a secured channel between the mobile device and the another device established by the application key set.

**CLAIM 5:**

The mobile device as recited in claim 4, wherein the transaction is conducted without the mobile device communicating with a transaction server.

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