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Claims:

1. A dogtag having a chain attached thereto for, comprising:

   a contactless smart chip module having an antenna connected thereto, the contactless smart chip module is adapted to store a personal information in a secured manner;

   a fibre glass substrate for encapsulating the contactless smart chip and the antenna therein;

   a protective metal shield surrounding at least a portion of the fibre glass substrate to provide a resistant finish, wherein the protective shield is made up in metal or alloy.

2. The dogtag according to claim 1, wherein the personal information includes personal medical histories.

3. The dogtag according to claim 1, wherein the protective shield is made up in stainless-steel.

4. The dogtag according to claim 3, wherein the protective shield is made up of a corrosion-resistant material.

5. The dogtag according to claim 1, wherein the contactless smart ship secured the data stored therein base on an International Civil Aviation Organisation (ICOA) standard.

6. The dogtag according to claim 1, wherein the contactless smart chip comprises Java applications that support Extended Access Control (EAC).

Claims:

1. A wearable device for biometric tracking, comprising:

   a contactless smart chip module having an antenna connected thereto, the contactless smart chip module is adapted for storing personal information in a secured manner;

   a fibre glass substrate for encapsulating the contactless smart chip and the antenna therein;

   a protective shield surrounding at least a portion of the fibre glass substrate to provide a resistant finish.

2. The wearable device according to claim 1, wherein the personal information includes personal medical histories.

3. The wearable device according to claim 1, wherein the protective shield is made up in metal or alloy.

4. The wearable device according to claim 3, wherein the protective shield is made up of a corrosion-resistant material.

5. The wearable device according to claim 1, wherein the contactless smart chip secured the data stored therein base on an International Civil Aviation Organization (ICOA) standard.

6. The wearable device according to claim 1, wherein the contactless smart chip comprises Java applications that support Extended Access Control (EAC).

7. The wearable device according to claim 1, wherein the wearable device is fabricate in a dog tag form having a chain attached thereto.

8. A system for biometric tracking based on contactless smart chip module, comprising:

a data preparation module for centralized and secure a data dispatch point, wherein the said data preparation module stores a system certificate and private key;

an issuance module used a Personalized Batch Card;

a scheduler module to ensure smooth process flow;

a security module for high performance security wherein the said data preparation module is linked to the said security module;

wherein the Personalized Batch Card hold the master key to unlock the blank card.

9. A method for biometric tracking based on contactless smart chip module encapsulated , comprising:

creating a file lock with transport key;

encrypting data with diversified key;

adding a digital signature with a secret key;

verifying with public key;

wherein a key component of the digital signature is enrolled by capturing a photo and fingerprint;

the digital signature is personalized by pass printing and chip encoding;

the digital signature is issuance by bio-data and fingerprint verification.