

Digitus Human Barcode

The Digitus Human Barcode is a methodology that associates any individual with a specific object by means of biometric information.

Background

Security has become an increasing problem in modern life. Stolen or misappropriated documentation maybe misused in order to secure unauthorized entry or the unauthorized transfer of goods or money. Once goods have been removed from their rightful owner, it may be difficult for that owner to establish ownership at a later date.

Similarly, documentation can be stolen and misused by the thief or any other third party because there is no satisfactory method of quickly verifying that the person using the documentation is entitled to use it. A lost or stolen entry ticket, swipe card or credit card could also be used by another third party for the same reasons. The aim of this product is to mitigate this disadvantage.

The Association Process

The association process is initiated by scanning an item of biometric information from an individual. The scanned biometric information is used to create a biometric template. To this template, add some unique information of the item being associated and the date & time the association was made. The template data is then encrypted and converted to a barcode or coded onto a chip. The encrypted template data is then associated with an object (to create an association with the individual).

The reason for adding some unique identification of the item to which the template is to be associated is so that each association it totally unique and specific to that association.

The Verification Process

The barcode on an associated item is scanned and converted into a template. The template is then decrypted and the biometric information and date & time the association was made is retrieved. The corresponding item of biometric information from the individual is then scanned. The individuals biometric information is then compared with that from the decrypted template.

Alternative Biometric

Currently the biometric information scanned is a fingerprint of an individual.

However, any other item of biometric information may be used, such as the individuals retina or hand scan.

Alternative Representation of Biometric

The product currently uses a barcode printed on the medium bearing the encrypted template data.

However, the encrypted template may be represented in any suitable format.

Possible formats are 2D barcode, printed alphanumeric string or digital string (stored magnetically or embossed)

