

Patent Portfolio includes recently acquired patents

Publication Number or Patent	Title	Jurisdiction
2004301168	Remote Entry System	Australia
2009201293	Remote entry system	Australia
2535434	Remote Entry System	Canada
1836399	Remote Entry System	China
ZL201110037781.8	Remote Entry System	China
EP1661298	Remote Entry System	Europe
EP1661298	Remote Entry System	United Kingdom
EP1661298	Remote Entry System	Belgium
EP1661298	Remote Entry System	France
EP1661298	Remote Entry System	Germany
EP1661298	Remote Entry System	Netherlands
9,269,208	Remote Entry System	United States
2017-0249476 A1	Remote Entry System	United States
8,266,442	Remote Entry System	United States
9,269,208	Remote Entry System	United States
9,665,705	Remote Entry System	United States
2008316289	A transmitter for transmitting a secure access signal	Australia
2014240323	A transmitter for transmitting a secure access signal	Australia
EP3270540	A transmitter for transmitting a secure access signal	Europe
10,685,353	A transmitter for transmitting a secure access signal	United States
Unpublished	A transmitter for transmitting a secure access signal	United States
1839273	Enhancing the response of biometric access	Germany
8,112,278	Enhancing the response of biometric access	United States
8,620,039	Card device security using biometrics	United States
2009200408	Password Generator	Australia
8,458,484	Password Generator	United States
1711402	Solenoid operated latching strike	China
7,472,934	Solenoid Operated Latching Strike	United States



The patent portfolio comprises the following families of patents which are registered in various jurisdictions around the world as set out below:

1. Remote entry system

2. A transmitter for transmitting a secure access signal

3. Enhancing the response of biometric access systems

4. Improving credit/debit card device security using biometrics

5. Password generator

6. Solenoid operated latching strike

1. Remote Entry System

This patent is a stand-alone biometrics management, self-enrolment system used on all biometrically enabled mobile devices and involves enrolling a user into a biometric access platform using a succession of biometric placements within a mobile device. Microlatch invented the 'stand-alone' biometrics platform which provides self-contained and self-managed security solutions.

This patent relates to any mobile device or mobile phone, as they require the biometric template management internally to allow access to the device by only the authorised user, plus adding and deleting other authorised users.

2. A Transmitter for Transmitting a Secure Access Signal

Adding NFC (Near Field Communication) technology inside any mobile or portable device will enable cashless payment applications to be incorporated. The NFC technology is standard around the world and allows multiple devices, smartphones, tablets, and biometrics credentials to be used on the same payment platform. The Microlatch technology identifies the credit/debit card user/owner/holder through fingerprint or other biometric verification solutions such as iris, voice, face, vein etc. authentication and prevents access by anyone other than the credentialed user.

3. Enhancing the Response of Biometric Access Systems

This patent combines voice and fingerprint biometrics to identify individuals without the need for a credit/debit card or token for banking transactions. The voice biometric signature simply locates the fingerprint template in the database which then grants access. This process speeds up the database search for a biometric signature/identifier in the database in the computing device (e.g. mobile phone, tablet, payment terminals or ATM) by reducing the size of the database to be searched simply by inputting a voice

4. Improving Credit/Debit Card Device Security Using Biometrics

This patent combines credit/debit card and fingerprint to add personal identification of the credit/debit card or token.

Enrolling a user in a credit/debit card / biometric system (such as a biometric enabled mobile phone, tablet, payment terminal or ATM) by locally storing the biometric signature/identifier at the ATM in a memory location defined by the credit/debit card.

5. Password Generator

This patent combines a dynamic password generator software algorithm to a fingerprint identification system which adds biometrics as another level of security to existing banking devices such as internet banking passcode toggles.

This device will generate a one-time dependent password upon matching a predetermined biometric signal such as a fingerprint. The proliferation of dynamic number generators suffers from the same security weakness as access and NFC credit/debit cards; there is no identification of who is using the credit/debit card or token. Biometric identification of the person using the dynamic number generator is a significant enhancement to securing access or log-in only for the authorised user.

6. Solenoid Operated Latching Strike

All existing electro-mechanical door systems require a large amount of voltage applied for unlocking to gain entry. This patent is a bi-stable mechanism that requires a very small pulse or voltage spike to activate and remain stable in both states, lock/unlock. Once in the open (unlocked) or closed (locked) state, this bi-stable lock will remain in that position forever, without any further voltage requirements. This system has lower power requirements and therefore can be operated by battery and integrate other circuitry such as RF and Bluetooth systems.