



FORENSIC CHAIN OF EVIDENCE (*Improvements To A Security Systems*)

International Application:
WO 2008/132444 A2

Designated Territories:

- . United States America
- . China
- . South Africa
- . Australia
- . Canada
- . Japan
- . Europe

Design Right:

Registered: 02/02/2008
Registration: 000882543-0001

Previously licensed by StranDNA & Avocet Hardware

The problem

The majority of residential burglaries committed in the United Kingdom are through an external door and sometimes thieves' resort to far more extreme methods to steal property without the house alarm being activated or to gain access to vehicle keys so to start without the alarm, immobilizer and tracking system being activated. These crimes are known as aggravated burglaries here in the United Kingdom and home invasion robberies or forced entries in other parts of the world.

Put simply, once a homeowner has gone to receive a caller at the door and opens the entrance, the caller uses extreme force to gain unlawful entry or alternatively criminals will force unlawful entry through a locked door.

The Solution

Previously licensed and marketed under the name "Chain Reaction DNA" & A.I.M (Avocet Intruder Marker) This unique security product has been developed here in the United Kingdom and has received a product of value award from the Society Of Professional Locksmiths in the USA and is currently used by Safer St Helens in Merseyside, Safer Worcester & West Mercia Police, Staffordshire Police, Warwickshire Police, Bedfordshire Police & West Midlands Police Force here in the UK in a number of applications including domestic violence, race hate, gender hate, repeat victims of burglary & Asian gold theft.

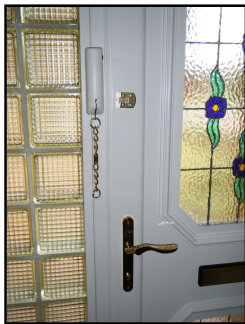
We recognised that the certainty of being sprayed with traceable forensic marking would be seen by today's villains as the ultimate deterrent because when they activate this unique door security device its embedded forensic trace technology will link them to *their* crime scenes and with 100% non-malicious evacuation, we and others believe the deterrent value is working.

Forensic Chain of Evidence has been specifically designed to ease the fear associated with doorstep crimes and it assists the Police in the detection and apprehension of intruders by using the latest in UV based forensic trace technology and can provide the Crown Prosecution Service in the UK and other judiciaries located around the world with irrefutable scientific forensic evidence.



Installed unobtrusively to the inside of the door, this device provides extra resistance to forced entry and a very high decibel, thief-disorienting alarm is triggered automatically should the door be forced open. And, in doing so, the intruder will be sprayed with a totally no-toxic unique UV based forensic trace technology which is registered at point of installation and synonymous to the address it has been installed, this allows Police to connect the perpetrator directly to the crime scene and can be used as forensic evidence in a court of law.

How it works



After sales and installation approved security installers visit the forensic registration website and register the unique forensic code of the forensic alarm supplied to the address and also to what door it was installed, they also confirm all the fixings provided were used via tick box.

For forensic registration we use the services of RETAINAGROUP. Retainagroup is a member of the BSIA, accredited to ISO 9001 – 2008 , Thatcham TQA and LPS 1224 & 1225, licensed by ACPO CPI Ltd, as providing products and services meeting Police Preferred Specification and partnered with the Home Office in the "Crime – Let's Bring It Down" campaign. They are also members of the SMMT.

There are billions of unique forensic codes, and NO two canister forensic alarms are the same.

Warning stickers are supplied and installed at the front and back of the protected property to discourage illegal attempts at entry. If the warning is not heeded culminating in the activation of a device and an arrest is made, a forensic science laboratory is able to analyze the stain and can detect the forensic component present. The forensic code is then identified and when cross checked on the RETAINAGROUP database this identifies the location to where the associated security device was installed and registered, clearly placing the individual forensically tagged as perpetrator or as being directly associated with a specific crime.



To avoid mistaken activation of the mechanism, a definite illegal action is required. For example, an individual aggressively attempting to force entry will provide sufficient force to fire the mechanism. A high decibel alarm sounds and at the same time a forensic trace liquid is expelled. This is a clear non-toxic substance, only visible under ultra-violet light and possessing a unique forensic code. It can remain on clothes, skin or hair for month's dependant on exfoliation and washing frequency.

Police can readily identify the presence of the substance in "Black Suites" using UV lighting situated in custody suites or using hand-held UV Black Lights.



RETAINAGROUP
 MARK • REGISTER • VERIFY • RETAIN



Trace Element

Forensic Chain Of Evidence UV Identifier is BLUE. Other similar UV based trace technologies used within the security industry today illuminate YELLOW, GREEN or RED and are marketed by a number of security organizations. These are used in commercial applications such as cash in transit, personal attack alarms or for asset and property marking.



If a suspect is detained, Police have the ability by way of UV arches situated in Police Station custody areas or by the use of handheld UV torches, when shone on a suspect a UV marker will illuminate. The UV marker makes it indicative that forensic trace is present.



If the individual is found to be stained with this substance a forensic science laboratory can analyze the stain and can determine the Trace Tag forensic component allocated. When provided with this unique code we can confirm with RETAINAGROUP the exact location to which the device was installed and registered, clearly placing the stained individual at the scene of a crime.



NORMAL LIGHT



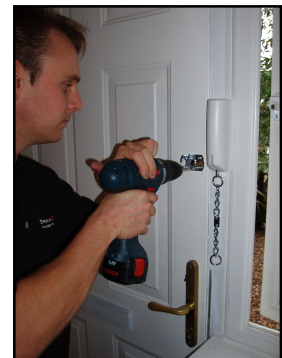
UV LIGHT



Installation

Forensic Chain of Evidence must be installed by a registered approved installer, registered locksmith association or security installer.

Strict rules need to be adhered to, so that any evidence gathered after a malicious evacuation can be used in the prosecution of offenders in a court of law. We need to be able to clarify the entire history of the canister involved and we need to be able to state that at no time has it entered the public domain. This will ensure that any forensic trace found on a suspect is admissible as evidence in court.



Conclusion

We believe Forensic Chain of Evidence eases the fear associated with doorstep crimes which are unfortunately occurring more often. We are giving the homeowner greater piece of mind when answering a call at a residential entrance. They are confident that any attempt by the caller to gain unlawful entry will be met with a hi-tech proactive response. The strong evidential nature of this security system will reduce illegal intrusion and increase detection rates.

We also believe the application of this device can work two-fold. From a homeowner's perspective it eases the fear associated with doorstep crime but at the same time it increases the fear of the individuals who perpetrate such criminal offences of getting caught and convicted.

These are a few of the professional bodies who have used the crime reduction benefits that came from having a forensic door alarm installed and home contents insurers who have offered discounts on home contents policies for residences that have forensic door alarms installed globally.

Forensic Chain of Evidence was independently assessed/accredited to a PAS23/4 open attack tested product by Sold Secure™ part of the Master Locksmiths Association and subsequently accredited by Secured By Design™ as an Official Police Security Initiative. These organisations have requested their logo's removed as I'm not paying for the privilege.



St.Helens Council

FORENSIC CHAIN OF EVIDENCE MKII & MKIII

Moving on from a gas-powered alarm we have now identified and designed an electronic battery powered upgrade.

The new and improved door alarm has been designed in a modular approach to enable a few product upgrades.

At its most basic the unit will be supplied as an alarmed door security chain with the options of having an impact camera providing the ability to record any attempted forced entry and more importantly a forensic deployment system.

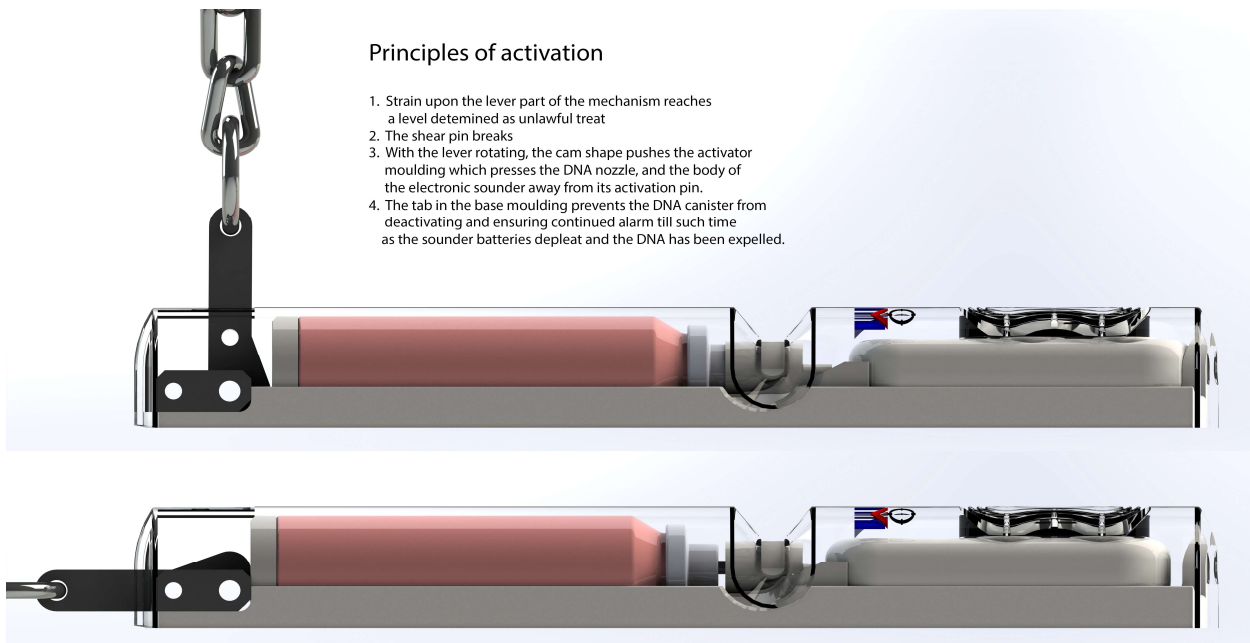
MKI was restricted as the alarm and forensic spray worked in conjunction with each other and the forensics needed to be registered by a security professional.

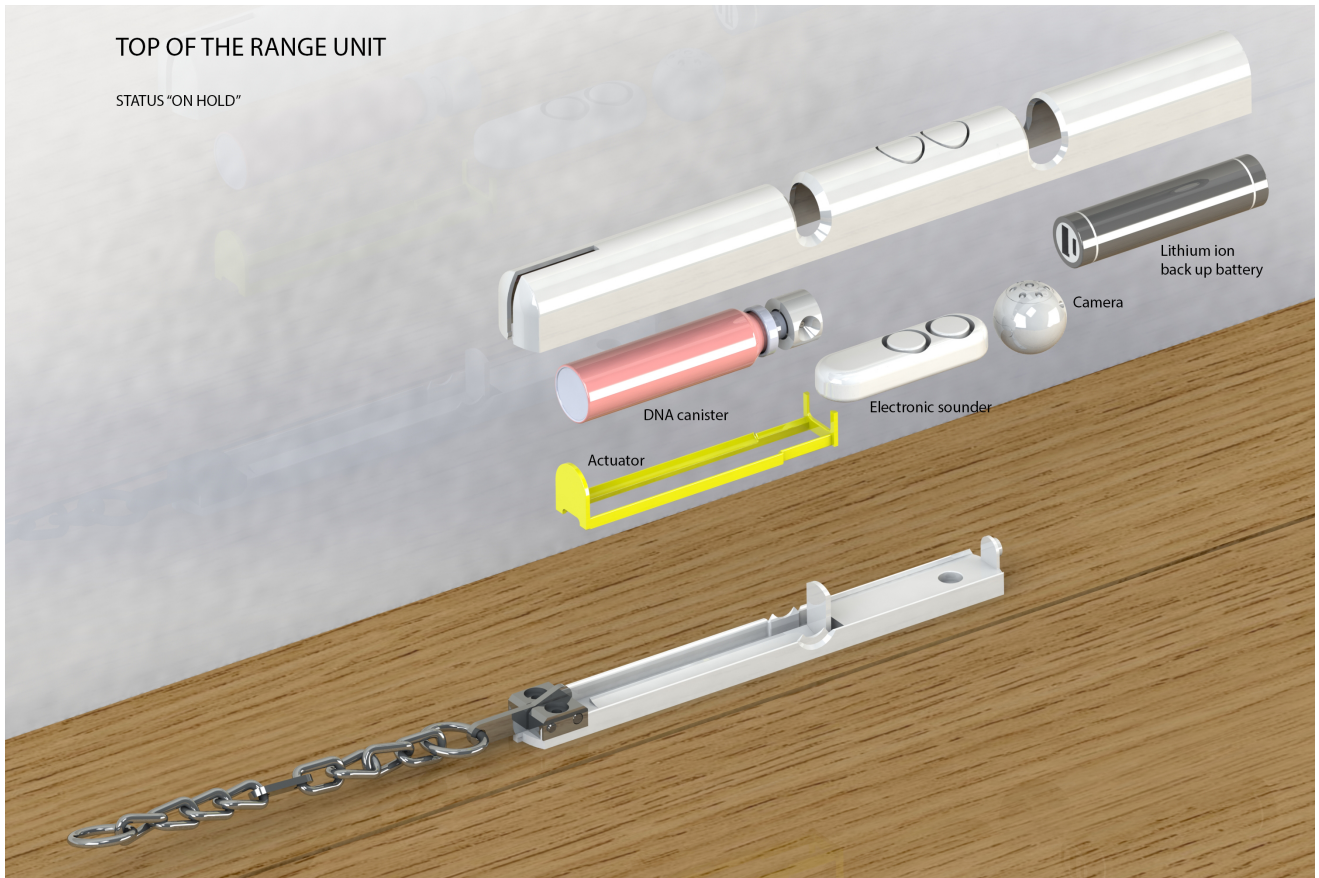
It is our intention to market the new device as an alarm only variant, we will be seeking distribution channels through B2B, Home Improvement, Hardware, Locksmith and Alarm Companies who wish to exploit this product under their own direction and name.

The impact camera will be sold separately.

The forensic canisters will be provided by third parties and the forensic registration of the devices will be their responsibility. The device will be purchased and an insert regarding a forensic upgrade will be included directing members of the public how to achieve this.

Suppliers of forensic trace who have affiliations with police forces globally will have the ability to supply forensic chain under their own direction and name. Forensic Chain offers a great opportunity for police forces to reduce burglary and ease the fear of crime by using POLFIG methodology (Police Force Income Generation Scheme).





We are seeking an industrial partner, preferably within the high security manufacturing sector, with established routes who can realise the commercial potential of this totally unique and innovative access control device.

This partner would seek to licence the retained IPR so to exploit under their own direction and name on a global scale.

All Intellectual Property/Design & Copyrights are retained by RDS Innovations Limited.

For more information or to arrange a demonstration contact:

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