

7 Documents

Publication numbers	Title	Current assignees
KR20160111090 A	Electronic handcuff	SAM WOO ELECTRONICS
KR20140017951 A	Electronic handcuff suspect fleeing device that tells	TRATEC INFORMATION & COMMUNICATION, ...
CN102677997 A	Electronic fetter	BEIJING LIUSUO XINHUAKE ELECTRONIC TECHNIQUE
KR20040098608 A	Handcuffs with position information providing function	KIM KI SOOK, ...
JP2003301649 A	Portable burglar alarm	ITABASHI MASAHIKO
US4811775 A	Apparatus for preventing criminal's escape or violence	SUN SHIN CHING
US4089195 A	Manacles	LAI I CHEN

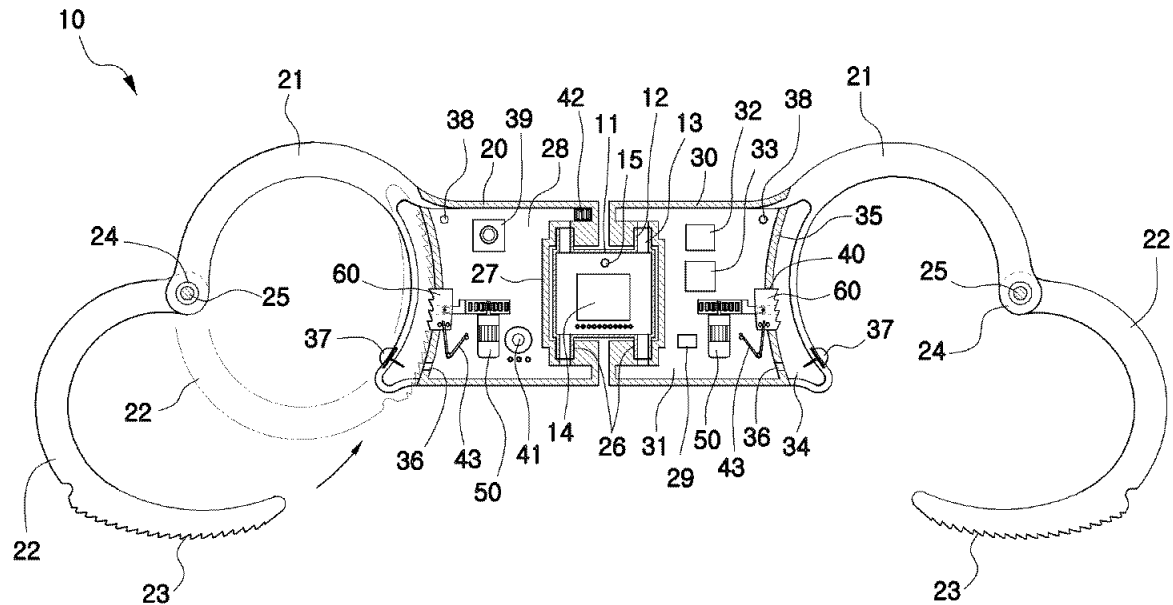
Family 1/7 - FAMPAT - ©Questel

Title

(KR101686883)

Electronic handcuff

Images



Publication data including kind & date

KR20160111090

A

2016-09-26

KR20160111090



KR101686883

B

2016-12-16

KR101686883

Abstract

(KR20160111090)

The present invention relates to electronic handcuffs. In order to prevent a criminal in handcuffs from then attacking or escaping from a police officer by adding an electronic shock function to the handcuffs used to limit a behavioral range of the criminal, if the criminal tries to unlock the handcuffs by impacting the handcuffs through a tool such as a hammer when the police officer transports the criminal in the handcuffs, a signal, made when a set impact data value of an impact sensor of the handcuffs is exceeded, is transmitted to a CPU and then an electricity generating part generates a high voltage electromagnetic wave to apply the wave to a wrist of the criminal. if the criminal tries to escape by avoiding the eyes of the police officer or escape by attacking or threatening the police officer with a deadly weapon, the handcuffs have a predetermined distance from a remote controller of the police officer and then the high voltage electromagnetic wave is applied to the criminal to prevent the criminal from escaping or attacking the police officer in the middle of transporting.

Inventors

JEONG, KOO KWAN

Latest standardized assignees - inventors removed

SAM WOO ELECTRONICS

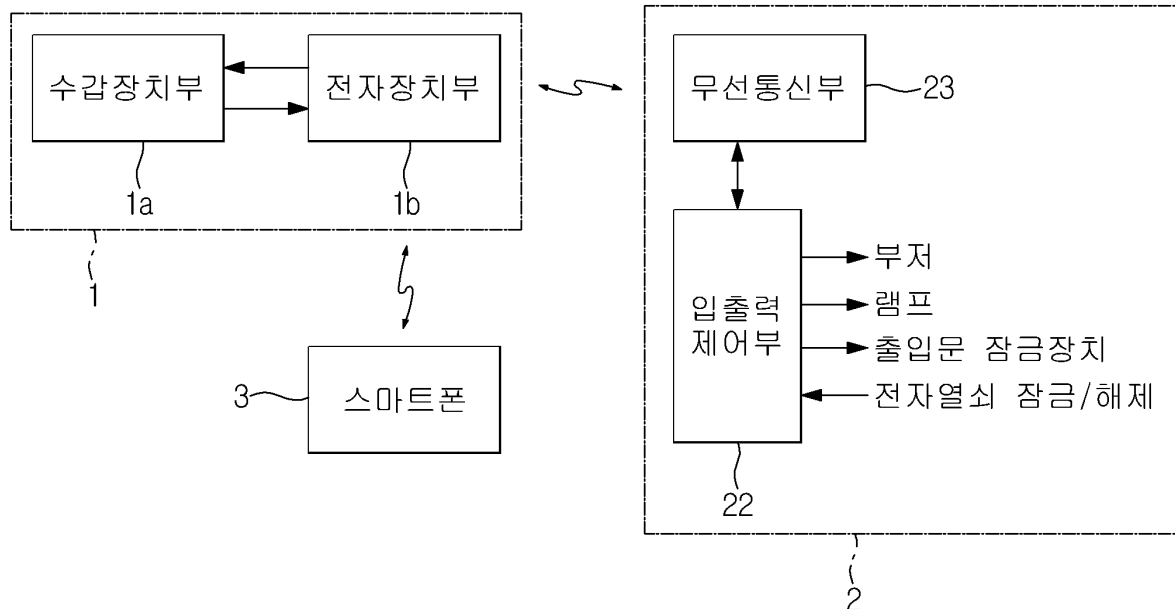
Family 2/7 - FAMPAT - ©Questel

Title

(KR101386437)

Electronic handcuff suspect fleeing device that tells

Images

**Publication data including kind & date**

[KR20140017951](#) A 2014-02-12 KR20140017951
[KR101386437](#) B1 2014-04-21 KR101386437

**Abstract**

(KR20140017951)

The present invention relates to an electronic handcuffs apparatus for informing of the escape of a suspect, which remotely senses a case where a suspect pulls out the hands from electronic handcuffs or tries to escape with wearing the electronic handcuffs and displays the situation accordingly. The electronic handcuffs apparatus comprises: an electronic handcuffs device (1) having a wireless communication unit (11) which has a unique address and is placed for wireless communications, an electronic handcuffs control unit (14) which controls the "locking/unlocking" of an electronic key (20) and transmits the "locking/unlocking" state of the electronic key (20) through the wireless communication unit (11), and a battery which supplies power to the electronic handcuffs control unit (14); and an electronic handcuffs monitoring device (2) having a wireless communication unit (23) which has a unique address and is placed for wireless communications by being interlocked with the wireless communication unit (11), and an input and output control unit (22) which analyzes the receiving sensitivity during wireless communications with the electronic handcuffs device (1) by being interlocked with the electronic handcuffs device (1) in order to determine the escape of the suspect, and operates a buzzer or a lamp during the escape of the suspect. [Reference numerals] (1a) Handcuffs device unit; (1b) Electronic device unit; (22) Input/Output control unit; (23) Wireless communication unit; (3) Smartphone; (AA) Buzzer; (BB) Lamp; (CC) Access door locking device; (DD) Electronic key locking/unlocking

Inventors

LEE, SU JOONG

Latest standardized assignees - inventors removed

TRATEC INFORMATION & COMMUNICATION
 TRATEC INFORMATION COMMUNICATION

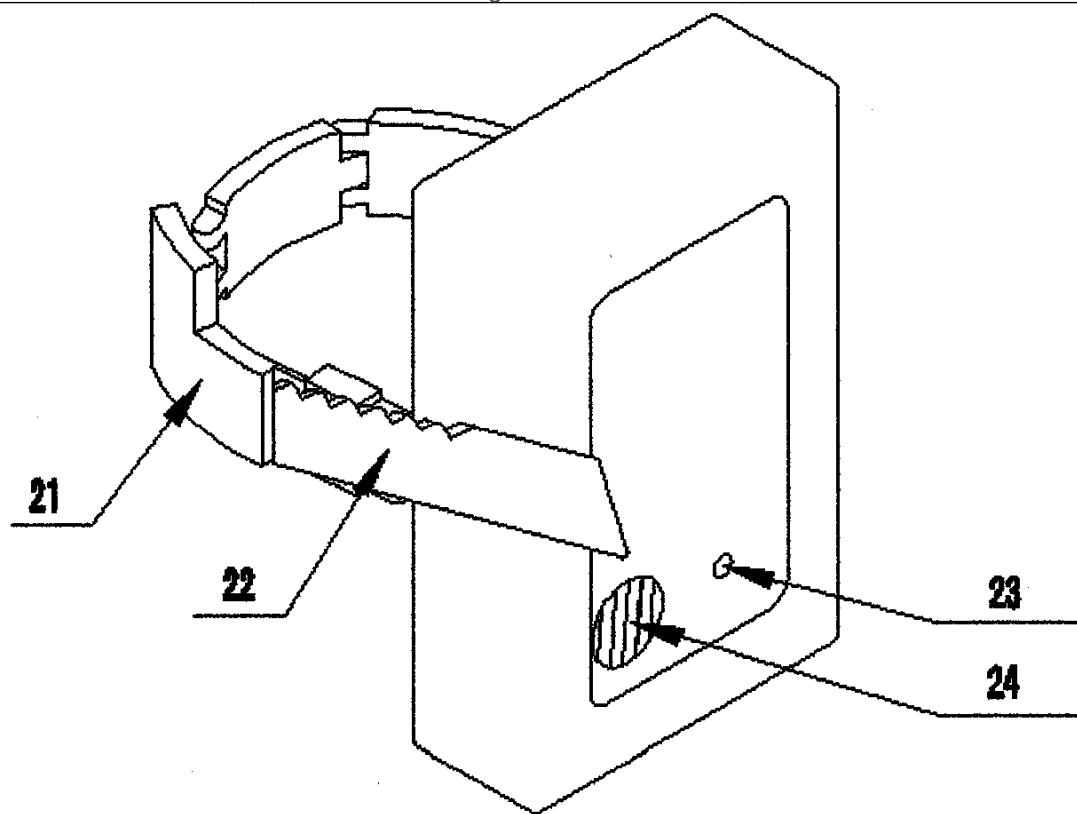
Family 3/7 - FAMPAT - ©Questel

Title

(CN102677997)

Electronic fetter

Images

**Publication data including kind & date**[CN102677997](#)

A

2012-09-19

CN102677997

**Abstract**

(CN102677997)

The invention relates to an electronic fether, in particular to an electronic fether for controlling the action of controlled personnel within small area range. The electronic fether comprises a transmitter part and a receiver part, wherein the transmitter part consists of a wireless transmission module and an electric shock switch; and the receiver part consists of a metal fether, a metal lock catch, a wireless receiving module, an audible alarm module and a high-voltage electric shock module. According to the electronic fether, wireless data is transmitted outwards by a transmitter and is received by a receiver, so that distance between the transmitter and the receiver is calculated; and when the distance exceeds a preset value, the receiver part produces sound to alarm the controlled personnel, and supervisors can send instructions by the transmitter to perform electric shock on the controlled personnel, so that the aim of controlling the action of the controlled personnel is fulfilled.

Inventors

ZHAO QING

YANG KAIWEN

LIU ZHANGBAO

Latest standardized assignees - inventors removed

BEIJING LIUSUO XINHUAKE ELECTRONIC TECHNIQUE

Family 4/7 - FAMPAT - ©Questel

Title

(KR20040098608)

Handcuffs with position information providing function

Publication data including kind & date[KR20040098608](#)

A

2004-11-20

KR20040098608

**Abstract**

(KR20040098608)

PURPOSE: A handcuffs with position information providing function is provided to send position information to police

authority by using position data of the handcuffs and a serial number of the handcuffs transmitted from the handcuffs to a GPS satellite. CONSTITUTION: When a criminal in handcuffs having a fixed ring, a moving ring, an appliance frame, a locking member, and a leaf spring escapes from the police, the handcuffs wirelessly transmit a serial number thereof and position data thereof to a center through a base station by using a GPS satellite. The data received from the center are transmitted to each police station, a prison, etc. such that the criminal is arrested as soon as possible. The fixing ring of the handcuffs includes a power switch, a GPS receiver, a control part(100), a ROM(110), and a wireless transmitter. The power switch turns on/off power of a power part(70). The GPS receiver receives wirelessly a position of the handcuffs and the serial number of the handcuffs from the GPS satellite 130.

Inventors

KIM KI SOOK

KWON JONG SOO

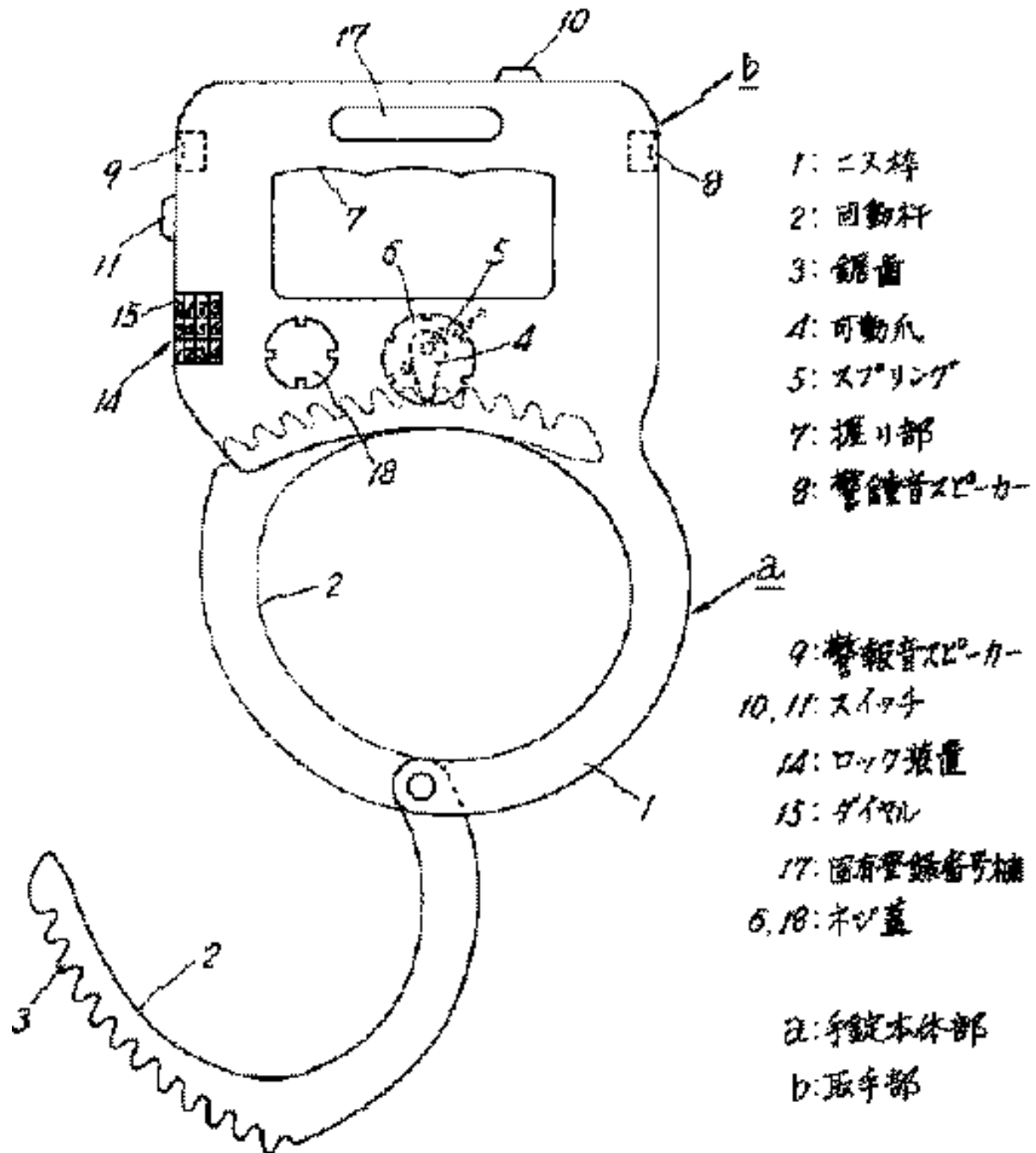
Family 5/7 - FAMPAT - ©Questel

Title

(JP2003301649)

Portable burglar alarm

Images



Publication data including kind & date

JP2003301649

A 2003-10-24 JP2003301649



Abstract

(JP2003301649)

PROBLEM TO BE SOLVED: To provide a burglar alarm capable of quickly responding to various criminal actions such as stokers and violence by quickly responding to them and sufferers' hesitation due to sufferer's environment.

SOLUTION: A warning sound generator which can generate a plurality of electrical warnings with varied sound volumes and qualities is adopted; a switch and a speaker are connected to each electric circuit; a warning sound generator and a battery are located inside handcuffs with a lock mechanism, and the handcuffs have a turning ratchet mechanism for grasping hands or the like by locking or unlocking as required.

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Inventors

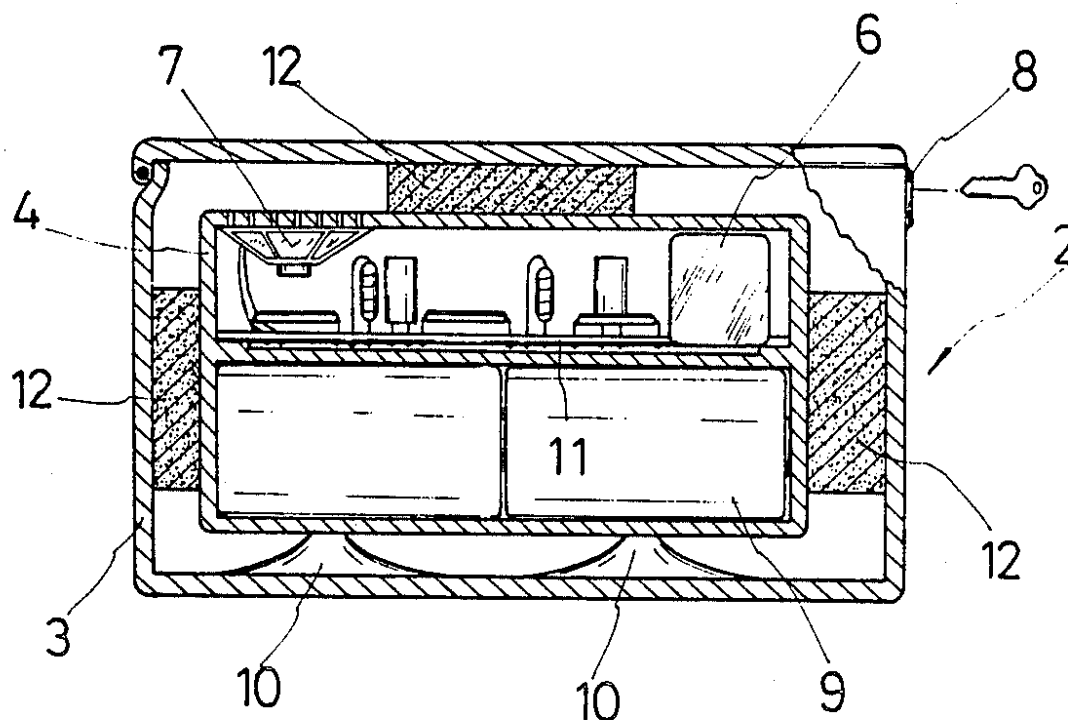
ITABASHI MASAHIKO

Family 6/7 - FAMPAT - ©Questel

Title

(US4811775)

Apparatus for preventing criminal's escape or violence

Images**Publication data including kind & date**[US4811775](#)

A 1989-03-14 US4811775

**Abstract**

(US4811775)

The present invention relates to an apparatus for preventing criminal's escape or violence. This apparatus comprises an action box which is united on the criminal's handcuff or fetter and which can endure any general bump or knock and will not be transformed or damaged. There are installed wireless receiving circuit, shock device circuit, buzzer device circuit and battery on the PC board in the action box. The afore-said action box can receive shock order code that is ordered by the control box in the executor's hand. On contrary, when the action box can not receive the signal code, it will sound warning and order shock device to actuate shock to prevent the criminal's escape or violence. Besides, present invention can achieve the purposes of increasing police's safety and saving police's strength.

Inventors

SUN SHIN-CHING

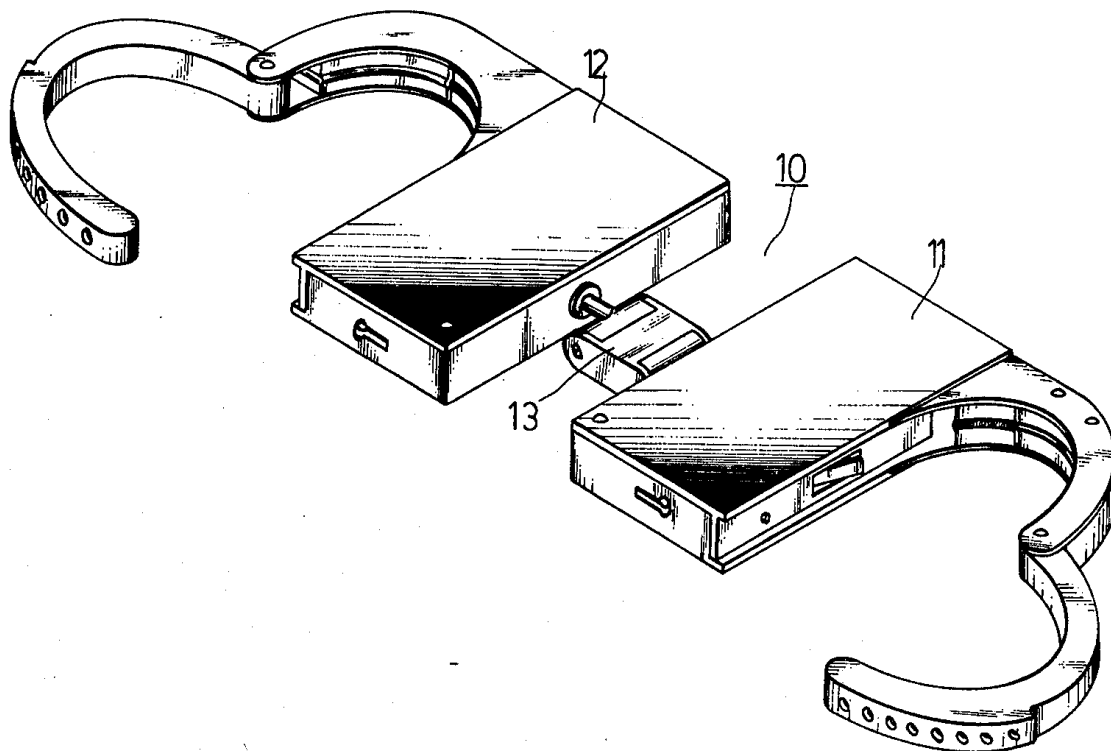
Family 7/7 - FAMPAT - ©Questel

Title

(US4089195)

Manacles

Images

**Publication data including kind & date**[US4089195](#)

A

1978-05-16

US4089195

**Abstract**

(US4089195)

An improved manacle comprising two wristlet casings connected by a hinge, a receiver secured in one of said casings to receive the control signal from a transmitter, and an electric discharger to produce an electric shock voltage characterizing in said control signal is received by the receiver and converted to control said discharger to produce a high voltage shock to the prisoner with the manacle through an electrode, and in said hinge connecting the casings comprises a channel through the hinge body and the T-shaped connectors for the lead wires connecting circuits in the wristlet casings to pass without damage.

Inventors

LAI I-CHEN