



**Administration's Center**  
di M. Berni & C. s.a.s.

Organizzazione Informatica Aziendale  
Progettazione e Sviluppo Software  
Ricerca & Sviluppo di Tecnologie Innovative



dal 1980

## *A Company with Solid Roots Projected into the Future*



## *Highlight Projects Synthesis*

*Sede Legale e Amministrativa :*

*Località Castagneto, 29 - 50060 San Godenzo - Firenze - Tel. 055 621299*

*Codice Fiscale e Partita Iva IT 03100160484 - Cap.Soc. Euro 57.297,51 - Trib. Firenze N. 31415 - C.C.I.A.A. 301634*

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## *Historical Notes*

*Administration's Center s.a.s. Founded in 1980 as a software house and the professional channel of high expertise was represented by the organization of corporate information systems and the design and development of Innovative Technologies.*

*Software design and development is a historic and traditional branch, but for more than 20 years, a research & development industry has been at the forefront for the development of new technologies related to the adoption of RFID (Radio Frequency Identification), The radio frequency identification technology that is emerging on the world market for its versatility, ease and security.*

*The company has bases and connections in the area of Information & Communication Technology, electronic engineering and processes with business links and Italian and foreign contacts.*

*The Research & Development company has invested in Innovative Technologies in recent years, firmly believing in its potential and potential market responses, thus providing a range of diversified solutions applicable to sectors such as cultural tourism, healthcare Public and private, environmental protection, services to businesses and the social sphere. The interest shown on the market by our technological solutions has been coupled with some institutional and international recognition that has stimulated us to continue on the road ahead.*

*The registration of Own Trademarks and Patents demonstrates professional skills and commitment to the pursuit of cutting-edge technology solutions, which stimulate us in solving problems for the sake of common life.*

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## **What makes us attractive in the marketplace?**

We wish to emphasize that what distinguishes our products and makes them almost unique on the market is twofold: originality and services to 360 °.

- Originality: our products have received patents in Italian and European level and are protected by trademark. This in addition to certify the quality and technical characteristics, also ensures the character of originality and innovation in the market. The devices were invented, with the development of prototypes and products made by our company.

So the devices we sell are in all respects "made in the Administration's Center", this provides the customer the highest level of service on the same by the supplier.

- Services to 360 °: the added value offered by our company is the fact that the customer is to have a global benchmark. In a single entity and a supplier, the customer will find the inventor and developer of hardware and software, the depositary of patents, the company will train the staff and the company that will carry out the technical maintenance of hardware and software.

As often happens, you buy a tool or an electronic device from a supplier and was then forced to turn to a different party in the event of technical problems, or other assistance.

Administration's Center provides its customers a 360 ° service with global coverage of all aspects thanks to its know-how and then prepared to respond to all customer needs.

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## Registered Trademarks

## Patents Register

Marchio N. 0001361876	Marchio N. 0001516616
Marchio N. FE2012A000012	Marchio N. 0001511599
Marchio N. 0001352967	

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau

(43) International Publication Date  
5 February 2009 (05.02.2009)

(10) International Publication Number  
WO 2009/016661 A1

(51) International Patent Classification:  
G06F 17/30 (2006.01) G11B 27/10 (2006.01)  
G06K 700 (2006.01) G11B 27/32 (2006.01)  
G09B 5/06 (2006.01)

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EG, FI, FR, GB, GR, GU, HK, HN, HU, IL, IN, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, ZA, ZM, ZW.

(21) International Application Number:  
PCT/IT2007/000541

(22) International Filing Date:  
30 July 2007 (30.07.2007)

(25) Filing Language:  
Italian

(26) Publication Language:  
English

(71) Applicant (for all designated States except US): ADMINISTRATION'S CENTER (IT/IT): di Massimo Berni & C. S.a.s., Piazza M. D'Azeglio 39, I-50121 Firenze (IT).

(72) Inventor:  
BERNI, Massimo

(73) Inventor/Applicant (for US only): BERNI, Massimo; Via Ubaldo Peruzzi 148, I-50011 Antella, Firenze (IT).

(74) Agents: MANNUCCI, Michele et al.; UFF. Tecn. Ing. A. Mamuccei S.r.l., Via della Scala, 4, I-50125 Firenze (IT).

(54) Title: A GUIDE SYSTEM FOR MUSEUMS, TRADE FAIRS OR EXHIBITS IN GENERAL AND A RELATED INFORMATION PROCESS

Fig. 1A

(57) Abstract: The system comprises a multiplicity of identification devices (Bj) each placed in the vicinity of an exhibited object and which continuously emits a sequence of electromagnetic pulses representing respective unique codes (UIj). The system further comprises a multiplicity of individual portable guide devices (Ej) for visitors, able to provide users with information about each exhibited object, each of which, by means of its own receive circuits (Ej) and control circuits (Ej), automatically activates the reproduction of the information about an object (Ai) only after receiving at least two consecutive said identical sequences of pulses.

WO 2009/016661 A1

## Brevetto PadGuide

Ministero dello Sviluppo Economico  
Direzione generale per la lotta alla contraffazione  
Ufficio Italiano Brevetti e Marchi

ATTESTATO DI BREVETTO PER INVENZIONE INDUSTRIALE

N. 0001413406

Il presente brevetto viene concesso per l'invenzione della domanda sotto specificata:

num. domanda	anno	C.C.I.A.A.	data pres. domanda	classifica
000012	2012	FERRARA	25/07/2012	G06F

TITOLARE/I: ADMINISTRATION'S CENTER DI M. BERNI & C. S.A.S. ANTELLA BAGNO A RIPOLI (FI)

DOM. ELETT.: ADMINISTRATION'S CENTER DI M. BERNI & C. S.A.S.

INDIRIZZO: VIA SANDRO PERTINI N. 5 50012 ANTELLA BAGNO A RIPOLI (FI)

TITOLO: DISPOSITIVO PER IL MONITORAGGIO E LA FARMACI E TERAPIE

INVENTORE/I: BERNI MASSIMO

Copla conforme all'originale di documento informativo ai sensi dell'art. 23 del D.lgs n. 82/2005.

Ferrara, 10 FEB. 2015

L'UFFICIALE ROGANTE  
Paola Borgetti  
Paola Borgetti

Roma, 22/01/2015

**Brevetto Mediclok**

Ministero dello Sviluppo Economico  
Direzione generale per la lotta alla contraffazione  
Ufficio Italiano Brevetti e Marchi

DEPOSITO DI BREVETTO PER INVENZIONE INDUSTRIALE

N. TO 2015 A 000225

TITOLARE/I: ADMINISTRATION'S CENTER DI M. BERNI & C. S.A.S. ANTELLA BAGNO A RIPOLI (FI)

DOM. ELETT.: ADMINISTRATION'S CENTER DI M. BERNI & C. S.A.S.

INDIRIZZO: VIA SANDRO PERTINI N. 5 50012 ANTELLA BAGNO A RIPOLI (FI)

TITOLO: Metodo ed Apparecchiatura per l'ausilio all'esecuzione di trattamenti sanitari

INVENTORE/I: BERNI MASSIMO

**Brevetto FarmaTag**

Ministero dello Sviluppo Economico  
Direzione generale per la lotta alla contraffazione  
Ufficio Italiano Brevetti e Marchi

ATTESTATO DI BREVETTO PER INVENZIONE INDUSTRIALE

N. 0001391644

Il presente brevetto viene concesso per l'invenzione della domanda sotto specificata:

num. domanda	anno	C.C.I.A.A.	data pres. domanda	classifica
000139	2008	FIRENZE	22/07/2008	A01M

TITOLARE/I: ADMINISTRATION'S CENTER SAS di M. Berni & C. FIRENZE

MANDATARIO: VIANELLO ALBERTO

INDIRIZZO: SOCIETA' ITALIANA BREVETTI S.P.A. CORSO DEI TINTORI 25 50122 FIRENZE

TITOLO: SISTEMA DI MONITORAGGIO DI PARAMETRI AMBIENTALI IN PIANTAGIONI AGRICOLE E/O SINGOLI ALBERI

INVENTORE/I: BERNI MASSIMO

Copla Conforme all'originale digitalmente firmata dal responsabile del Servizio contrassegni - D.M. data 22/05/12

Roma, 17/01/2012

IL DIRIGENTE  
Dr.ssa Loredana Guglielmetti

**Brevetto TagTrap**

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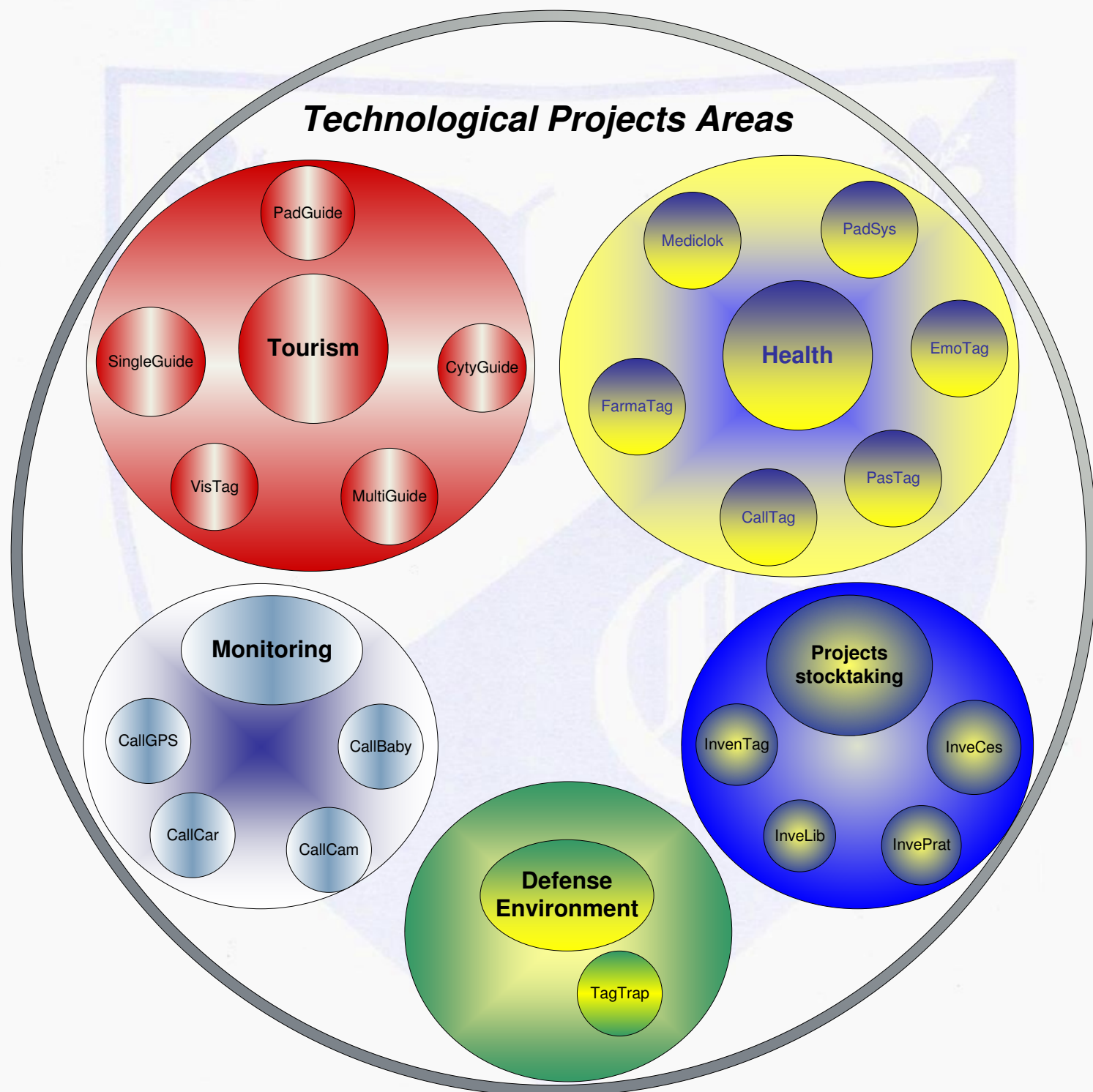
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## **Technological Projects Areas**



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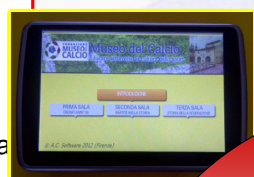
**PadGuide®** Guide Multimedia With RFID, has received a European patent for its character of originality and innovation. The visitor, through the simple approach to the object of his interest in show on driving multimedia content (images, audio, movies, etc.). This is due to a communication between the tag placed near the works and the device with RFID reader.

**PADGUIDE® (European Patent WO 2009/016661 A1)**

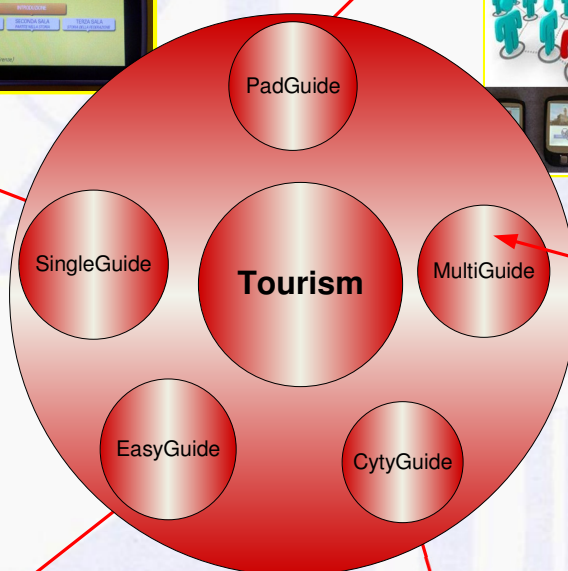
### SingleGuide Multimedia Guide for Visiting in autonomous

This guide has a feature extremely important and that gives visitors the chance to make a visit in full autonomy and freedom.

The device is a browser SingleGuide indoor multimedia museum for allowing the visitor to be able to enjoy media reported at each point interest shown in the map of the museum.

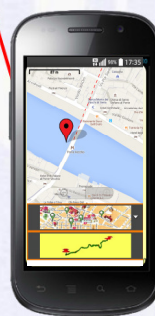


With **EasyGuide** visitors can independently, visit the works in his own language, by typing the reference code of the work, or navigating in sequence according to the tour route. Each work is accompanied by videos, images and audio. EasyGuide can be used with or without a Bluetooth headset as a telephone. EasyGuide is a device Mp4 easily configurable from the Museum also to manage an unlimited number of languages and content.



### Guide to the Guides

The device **MultiGuide** is unique and owes its name to the fact of being a guide and multiple media. From a default device as "parent" the system will communicate with all other guides connected, to transmit the information to be displayed automatically mediated texts, pictures and videos, according to the language selected by each visitor. This guide is very useful when you have groups of visitors who speak different languages, each guide speaks the specific language of the visitor. Guide the principal communicates with the guides attached the code of what the visitor can see with their own language.



With **CityGuide** visitors can easily make a tour in the streets of the city and obtain information about monuments, churches, buildings and points of interest. When the visitor approaches a point of interest, the leadership, thanks to an advanced receiver technology, receives the signal and displays the contents on the screen and the corresponding information in audio, images and video according to the selected language.

CityGuide is an APP that can be downloaded from the Internet to any city that you want to visit.

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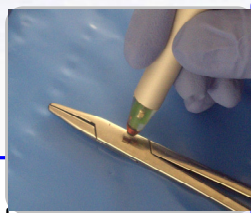
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**Mediclok** The monitoring device for programming the Therapy Medical Administration of Drugs and the detection of Vital Signs

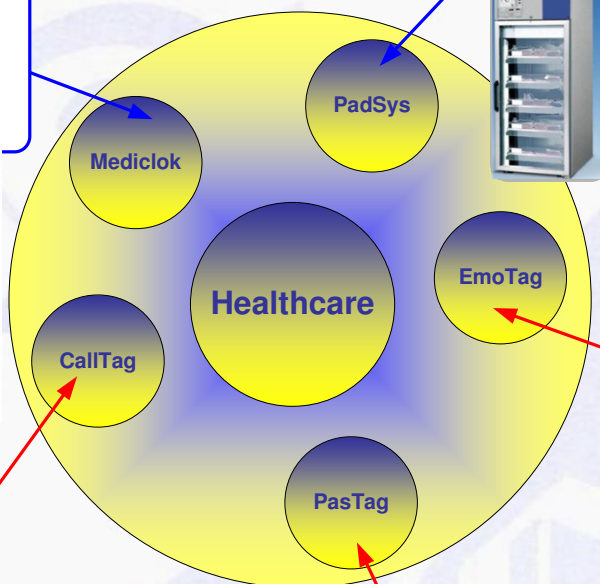
In environment Homecare

Italian Patent : 00014113406



Our project called **PADSYS** allows control of surgical instruments, gauze and medical devices in general, used in the operating theater. The salient feature of this project is to eliminate the risk in the operating room of forgetfulness or loss of a surgical instrument warning of his absence at the time of depositing the instruments in the container.

The RFID low frequency can not interfere with the instruments operating room, thus ensuring its business.



Our Company is able to design and develop management procedures for checking and monitoring the traceability of blood products with the help of innovative technologies and an integrated management software.

The essential feature of our project, which for reasons of confidentiality we can not disclose the industrial, is the fact that we do not put the RFID tags on the bags of blood because we consider it an external body is not sterile, but the Fridge EMOTECA diveta Intelligent and performs monitoring of the bags contained in shelves, floors, drawers with RFID.

**CallTag** designed for the monitoring of indoor and outdoor spaces delimited. Wristwatches that beg to be able to monitor the movement of people from a distance of up to one hundred meters. This device is very useful in nursing homes or rest where there is the need to constantly monitor the patients and guests where they are so you can intervene in case of need and help.



RFID technology applied to the administration of meals Mensa. Design of hardware and software for integrated flow control in health facilities and accommodation.

Application Phases :

- 1 - Acceptance of the Private Patient Health
- 2 - Programming and Meals Diets for Patients / Visitors
- 3 - Phase controlled delivery of meals to patients / guests
- 4 - Analysis with Summaries Meals Administered



Guest

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## CALLGPS - The Remote Device Monitoring

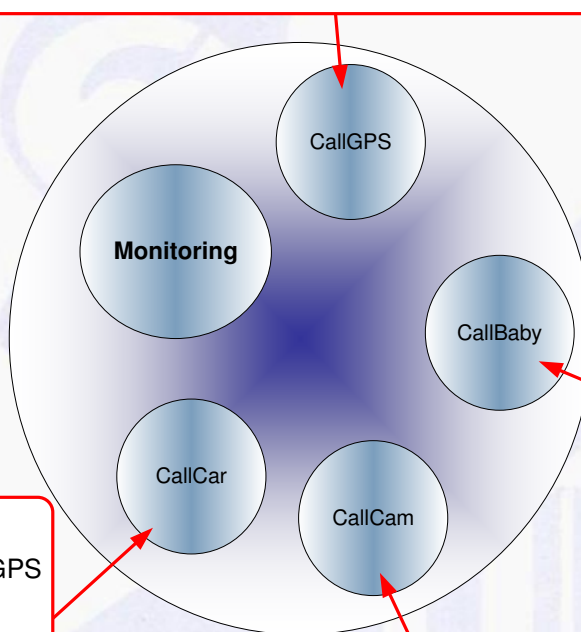
Using handheld GPS devices, watches, bracelets, rings, watches, etc ..., you can communicate with the geographical coordinates of the position of a person, animal, thing, vehicles etc ..

The coordinates will be sent to a server in Hosting or through communication with SMS.

Reception may Servers Hosting will then be connected to that application via web services can query the system and display the map with the geographical identification of the location of each CallGps, so also the management of the reception of SMS, will be able to detect the coordinates and by Google Maps you can view the location of each device CallGps with Tablet.



Aree Applicative



**CallGps\_Car** is a solution of GPS satellite location for the management of company vehicles (cars and company vehicles) based on an Internet platform, connected to a locator device installed on each vehicle.

Thanks to a web based application platform can be monitored on a mapping vehicles, their movement, speed, stops etc ..., this also allows you to extrapolate data for each vehicle (eg. Mileage, and fuel stops supported).

**CallBaby** is a project for monitoring children in a designated area. Practically are bracelets to wear, of all colors, that connect via Bluetooth to a smartphone, which is installed in a specific application, it communicates an alert when the bracelet is too far removed according to the distance limitations prepared.

This project was created for children by the sea on the beach. So they can wear the bracelet, go in the water and play. But when you turn away over certain distances predisposed he starts playing and the parents called the smartphone.

CallCam is a worthwhile project for remote monitoring by means of miniature camera

Design of hardware and software solution with an electronic card that communicates with a tiny camera that measures 4x4 cm. The camera has its own SIM card and a SD card to store photos and video taken by commands sent from a smart phone or tablet PC.

The use of a device so small that its autonomy is power, both data storage, makes it very interesting and useful for a variety needs personal, family and work.

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### InveCes Inventorying Assets Company

Each company has set itself the problem of inventory and location of the furniture, computers, software, equipment, such as tangible and intangible assets that are called business.

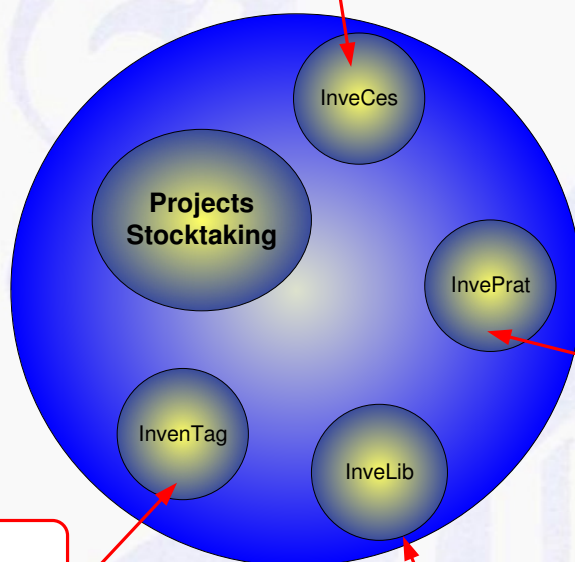
This project uses RFID technology to allow you to make an inventory of the assets by applying labels (smart labels) with different sizes depending on the size of the asset.

These labels are read with a specific reader which detects the presence of tags that are applied on assets and carries out the detection of the same.

Monitoring and inventory are done in real time.

### Introduction

The inventory management using RFID technology involves the design and development of dedicated software and the use of electronic devices useful to the process of obtaining relevant information regardless of the commodity sector of reference.



### InvePrat - Practices stocktaking

Law firms, notaries and other professionals in general have the need to catalog the practices and files, but they especially need to trace their movement within the offices and between employees who run them. RFID technology, allows the application of small labels (smart labels) practices or folders and to be able to constantly know where they are.

The RFID tags (labels) today have very low costs and then here comes the advantage to have always and constantly updated archive with documents and not least to be able to know where they are.

### InvenTag- Inventories Warehouse

Inventory management, using RFID technology, it does not mean only "inventory" but encompasses all aspects related to the location and tracking of goods, even after they leave the warehouse for delivery to the store.

The use of RFID smart label is an operational advantage and cost for the company as its durability and its advantages over the use of bar codes, are very obvious. In addition to reduce inventory with a targeted control for the location of the goods, all the activities of loading and unloading will be extremely speeded up.

### InveLib- stocktaking Libraries

The project provides the ability to manage libraries with the aid of technologies that, in the past seemed exceedingly impossible to achieve both the technical aspects-computer, both for the high investment costs needed.

A simple and intuitive management that automates the process of lending and return of books, with the technology and the application of RFID tags on the texts of the library that will be subject to interpretation by the reader dislocali at specific points library / Library so that you can monitor video from a remote station.

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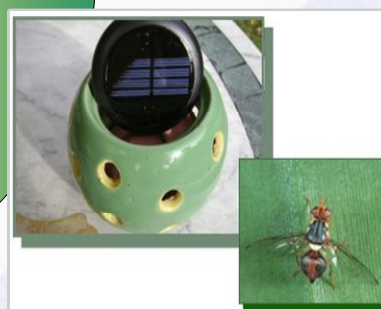
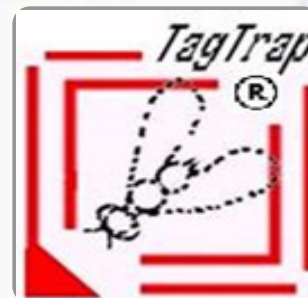
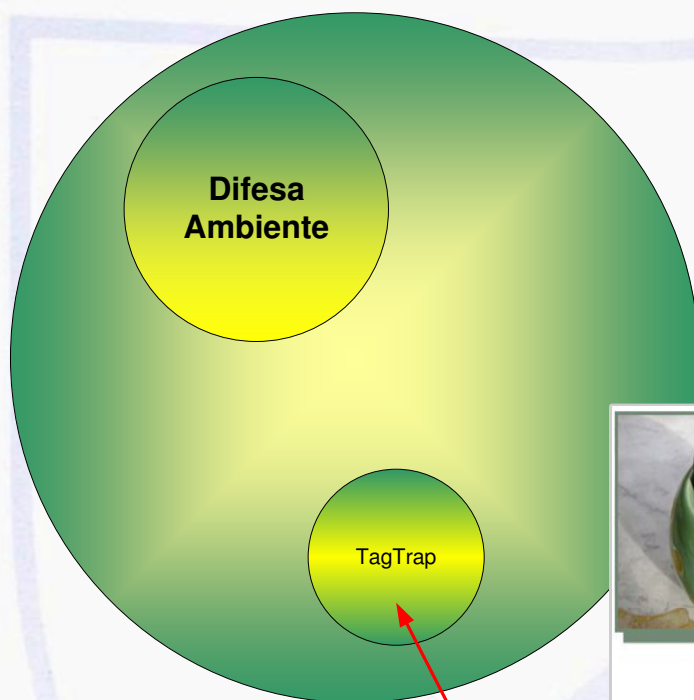
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## **TAGTRAP®** RFID Technology for Defense and Monitoring Plants



The technological characteristic of TagTrap® is the ability to be able to call through the aid of normal chemical solutions, for example pheromone, insects (type flies denominated more properly *Bactrocera oleae*) in a pseudo trap inside of electronic sensors which, of very high sensitivity and level of applicability of type "capacitive", may communicate through a network of communication between devices directly on a monitor the level of invasion and consequent state of health of the plants.

The focus of TagTrap® is also, and significantly, the pest is not due to the massive dissemination of insecticides that cause environmental damage and still not a guaranteed protection of health, without considering the high cost of applicability of the same. The consequence of using TagTrap® is the call of attention to the farmer for the application of insecticides only at the moment in which occurs the propagation and invasion of insects harmful to the individual limited areas reported from monitoring systems in question. The system ensures the protection of the consumer in order to avoid the disinfestation that is often harmful to health. A further feature, given its technological peculiarity, is to enable the agri-food traceability by automatically detecting the origin of the fruit from specific plants, areas and agricultural areas while also respecting the national and European regulations.

**Communicates information:** The connection and transmission of information by the TagTrap® put on the plants does not require infrastructure and connections via wireless or network devices that would be impossible to manage the outside, and is self-powered with solar panels.

**Environmental parameters:** with regard to the control of environmental parameters through specific sensors the system TagTrap® allows to detect the temperature and humidity and other weather detection system that communicates via a node connections to the central system that will detect any issues raised and specific areas.

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