



SmartLivingPlat

Plataforma Tecnológica de la Domótica
y las Ciudades Inteligentes



Boletín de Vigilancia Tecnológica

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NOTICIAS

Why Gamification Will Drive Wider Blockchain Adoption

Publicada en www.coindesk.com, 16/12/2021.

The trilemma, briefly, is that proof-of-work blockchains can make transactions secure, decentralized and scalable – as long as you pick only two out of three. This technological bottleneck, some would say, has held back crypto adoption more than any other single factor. While pioneering ecosystems like Bitcoin and Ethereum focused on security and decentralization, compared to legacy payment processors they moved at a crawl.



[ver más...](#)

NRG Energy and Smart Energy Decisions Publish 2021 State of Distributed Energy Resources Study

Publicada en altenergymag, 03/12/2021.

Smart Energy Decisions published new research that shows cost savings and sustainability continue to top the list for customer needs when considering distributed energy resources (DERs). The goal of the 2021 State of Distributed Energy Resources Study was to better understand DER energy trends with the nation's largest electric power users.

[ver más...](#)

El Salvador plans first 'Bitcoin City', backed by bitcoin bonds

Publicada en www.edition.cnn.com, 21/11/2021.

El Salvador plans to build the world's first "Bitcoin City", funded initially by bitcoin-backed bonds, President Nayib Bukele said on Saturday, doubling down on his bet to harness the crypto currency to fuel investment in the Central American country.

[ver más...](#)

South Africa's NFTfi raises \$5M so people can use their NFTs as collateral for loans

Publicada en www.techcrunch.com, 16/11/2021.

This market is one South African company NFTfi targets and has raised a seed round of \$5 million to continue pioneering the financialization of NFTs. Early-stage crypto fund 1kx led the round, with Ashton Kutcher's Sound Ventures, Maven 11, Scalar Capital, Kleiner Perkins and others participating.



[ver más...](#)

The meaning of the ‘metaverse,’ and all the terms you need to understand it

Publicada en www.qz.com, 15/11/2021.

Metaverse:

If the contemporary internet experience is two-dimensional—meaning you browse and scroll through it on a screen—the metaverse is 3D. You’ll be “walking” through it via connected headsets or glasses.



[ver más...](#)

Ten trends to watch in the coming year

Publicada en www.economist.com, 08/11/2021.

If 2021 was the year the world turned the tide against the pandemic, 2022 will be dominated by the need to adjust to new realities, both in areas reshaped by the crisis (the new world of work, the future of travel) and as deeper trends reassert themselves (the rise of China, accelerating climate change). Here are ten themes and trends to watch in the year ahead.

[ver más...](#)

Converting to a DIY Shelly Smart Home – Part 3 – Digital Hot Water

Publicada en Automated Home, 01/11/2021.

In Part 1, friend of Automated Home, MarkB, started to convert his smart home over to using Shelly modules and in Part 2 he created a smart EV charger. This time he upgrades his domestic hot water system...



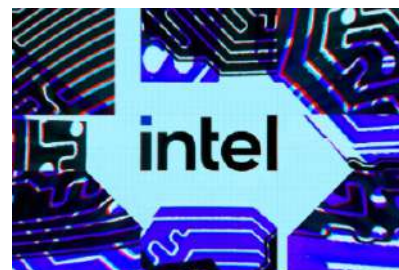
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EMPRESAS Y MERCADOS

Intel thinks the metaverse will need a thousand-fold increase in computing capability

Publicada en www.theverge.com, 15/12/2021.

Intel made its first statement on the metaverse on Tuesday — its first public acknowledgement of that sometimes-nebulous future of computing which promises an always connected virtual world that exists in parallel with our physical one. But while the chip company is bullish on the possibilities of the metaverse in abstract, Intel raises a key issue with realizing any metaverse ambitions: there's not nearly enough processing power to go around.

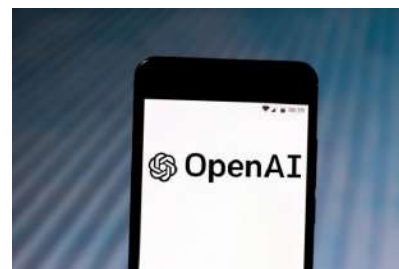


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OpenAI begins allowing customers to fine-tune GPT-3

Publicada en <https://venturebeat.com>, 14/12/2021.

OpenAI, the San Francisco, California-based lab developing AI technologies including large language models, today announced the ability to create custom versions of GPT-3, a model that can generate human-like text and code. Developers can use fine-tuning to create GPT-3 models tailored to the specific content in their apps and services, leading to ostensibly higher-quality outputs across tasks and workloads, the company says.



[ver más...](#)

ABB, PAL Robotics showcase mobile manipulator

Publicada en <https://www.therobotreport.com>, 11/12/2021.

When ABB opened its healthcare research hub on the Texas Medical Center (TMC) campus in Houston, it showcased a number of concept technologies, including a mobile YuMi robot that assists with laboratory and logistics tasks in hospitals. ABB is taking this mobile manipulation concept a step further by collaborating with PAL Robotics at a new lab near Barcelona, Spain.



[ver más...](#)

ATI releases standard tool changer for small robots

Publicada en <https://www.cobottrends.com>, 05/12/2021.

ATI Industrial Automation released a new standard tool changing option for smaller robotic arms. ATI's QC-29 Robotic Tool Changer is designed for robots in the 25 – 35 kg payload class. The QC-29 is the first standard ATI Tool Changer designed with a rectangular body that mounts directly to 40mm and 50mm robot wrists.



[ver más...](#)

Case Arksen: Step aboard a virtual sales showcase with Unity Forma in VR

Publicada en www.varjo.com, 03/12/2021.

With multiple hands on deck, boatbuilder Arksen have converted a digital showcase of their 85 explorer yacht into a virtual reality experience. The project raises the bar for immersive marketing and marks the maiden voyage of Unity Forma into VR.



[ver más...](#)

Automated Home 2.0 – #44 Loxone Touch Surface

Publicada en Automated Home, 29/11/2021.

One of the cool controls we loved using during our weekend staying in the Loxone Show Home in Austria was the 'Touch Surface', that is a capacitive touch sensor that mounts up to 30mm below the surface of your kitchen worktop, table top or even behind bathroom tiles. In fact it works behind most surfaces like stone, wood, ceramic or glass (but not conductive materials)



[ver más...](#)

Jetson ONE - Flying Through The Forest

Publicada en <https://www.youtube.com/channel/UCJNoPkgW0KSKzBHgFJ3VRtQ>, 19/11/2021.

The feeling you experience when flying the Jetson ONE through the forest is unreal. The excitement and thrills are phenomenal, far more incredible than what you have seen in sci-fi Hollywood blockbusters. Can you think of any manned aircraft capable of speeding through the forest like this? Our mission is to make the skies available for everyone with our safe personal electric aerial vehicle. Are you ready to experience a completely new and exciting way of travel? Please share and subscribe.



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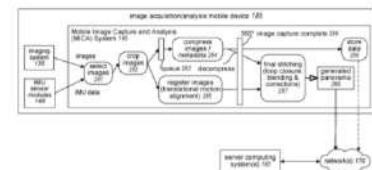
PATENTES

Automated generation on mobile devices of panorama images for building locations and subsequent use

Publicada en Patentscope_Domótica, 09/12/2021.

Solicitante: ZILLOW, INC

Techniques are described for using a smart phone or other mobile device to perform automated operations for generating panorama images of building environments and for subsequently using the generated panorama images in further automated manners. In at least some situations, the generation of a panorama image by a mobile device is based at least in part on automatically acquiring multiple constituent images on the mobile device in multiple directions from an acquisition location and on concurrently combining acquired constituent images on the mobile device,



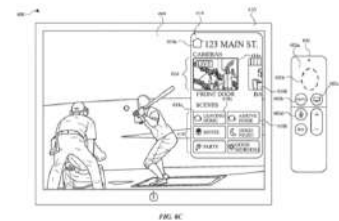
[ver más...](#)

Camera and visitor user interfaces

Publicada en Patentscope_Domótica, 09/12/2021.

Solicitantes: APPLE INC. [US]

The present disclosure generally relates to camera and visitor user interfaces. In some examples, the present disclosure relates to techniques for switching between configurations of a camera view. In some examples, the present disclosure relates to displaying indications of visitors detected by an accessory device of the home automation system. In some examples, the present disclosure relates to displaying a multi-view camera user interface.



[ver más...](#)

Camera sharing method, smart home control method, and system

Publicada en Patentscope_Domótica, 09/12/2021.

Solicitantes: HUIZHOU VISION NEW TECHNOLOGY CO., LTD. [CN]/[CN]

The present disclosure relates to a camera sharing method, a smart home control method, and a system. The method comprises: establishing a connection between a camera and a requested apparatus, such that the requested apparatus connected to the camera acquires, upon receiving an image sharing instruction from any one or more requesting apparatuses, image information from a memory of the camera of the requested apparatus; and sending the image information acquired from the memory of the camera to each of the requesting apparatuses that sent the image sharing instruction, such that the requesting apparatus acquires the image information of the camera

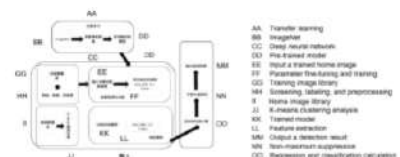
[ver más...](#)

Method for detecting image target in smart home environment

Publicada en Patentscope_Domótica, 09/12/2021.

Solicitantes: SUZHOU UNIVERSITY OF SCIENCE AND TECHNOLOGY [CN]/[CN]

The present invention relates to a method for detecting an image target in a smart home environment. The method comprises: pre-training a model by means of ImageNet data, and using a random seed to fuse a plurality of image enhancement means to perform preprocessing operations of enhancing and expanding home data; using a feature extraction network, introducing atrous convolution, and performing model retraining on a processed home data set using pre-trained model parameters



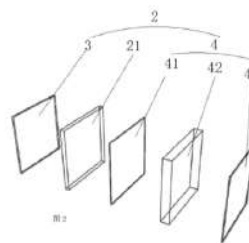
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Novel thermochromic intelligent window having adjustable emissivity

Publicada en Patentscope_Domótica, 09/12/2021.

Solicitante: SINO-SINGAPORE INTERNATIONAL JOINT RESEARCH INSTITUTE [CN]

A thermochromic intelligent window having an adjustable emissivity, comprising a window frame (1). A glass assembly (2) is provided inside the window frame (1); the glass assembly (2) comprises a glass substrate (21); a metal oxide coating (3) used for adjusting the glass substrate (21) to have a low-radiation function in a mid-infrared region is deposited on one side of the glass substrate



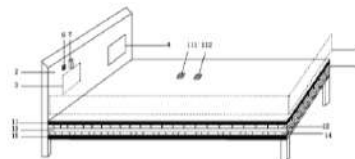
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Temperature-controllable house bed

Publicada en Patentscope_Domótica, 09/12/2021.

Solicitantes: XIE, Bailing [CN]/[CN]

A temperature-controllable house bed. A processor (3) is provided with an automatic receiving module (31), an analysis and processing module (32) and a display module (33); the automatic receiving module (31) is used for automatically receiving temperature data fed back by a temperature sensor (111) and humidity data fed back by a humidity sensor (112)



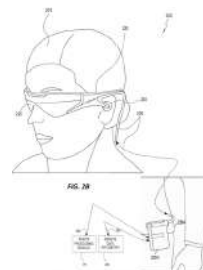
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Augmented reality display with frame modulation functionality

Publicada en <https://patents.google.com>, 09/12/2021.

Solicitante: Magic Leap Inc

A head mounted display system can process images by assessing relative motion between the head mounted display and one or more features in a user's environment. The assessment of relative motion can include determining whether the head mounted display has moved, is moving and/or is expected to move with respect to one or more features in the environment.



[ver más...](#)

Intelligent lock and unlocking authentication method and apparatus therefor

Publicada en Patentscope_Domótica, 02/12/2021.

Solicitante: GOERTEK INC. [CN]

An unlocking authentication method and apparatus for an intelligent lock, and an intelligent lock. The method comprises: after acquiring an unlocking request, determining a current working mode (101); and if the current working mode is a first-level safe working mode, acquiring unlocking information and unlocking authorization information of an authentication user terminal, and performing unlocking authentication according to the unlocking information and the unlocking authorization information; and if the current working mode is a second-level safe working mode, acquiring unlocking information, and performing unlocking authentication according to the unlocking information (102).

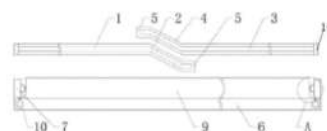
[ver más...](#)

Smart home curtain

Publicada en Patentscope_Domótica, 02/12/2021.

Solicitante: XIE, Bailing [CN]

A smart home curtain, comprising a first curtain assembly and a second curtain assembly. The first curtain assembly comprises a slide rail and multiple slide blocks, the slide rail comprises a first part and a second part, the first part and the second part comprise straight rails (1, 3) and oblique rails (2, 4), and projections of the two oblique rails (2, 4) on a vertical plane are at least partially overlapped; the second curtain assembly comprises an upper mounting plate (6) and multiple strip-shaped slats (9), two ends of the upper mounting plate (6) are each provided with a threaded sleeve (10)



[ver más...](#)

Smart home system and control method and device thereof

Publicada en Patentscope_Domótica, 02/12/2021.

Solicitante: HUAWEI TECHNOLOGIES CO., LTD. [CN]

A smart home system and a control method and device thereof, applied to the technical field of smart home. The method comprises: receiving a screen paging indication sent by a user terminal; sending a paging request to at least one monitoring device according to the screen paging indication, wherein the monitoring device and a screen terminal have a mapping relationship



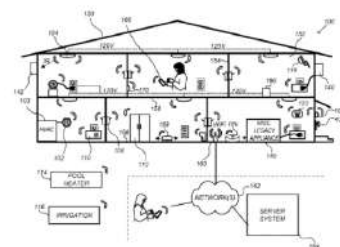
[ver más...](#)

Systems and methods of presenting appropriate actions for responding to a visitor to a smart home environment

Publicada en Patentscope_Domótica, 02/12/2021.

Solicitantes: Google LLC

A method of presenting appropriate actions for responding to a visitor to a smart home environment via an electronic greeting system of the smart home environment, including detecting a visitor of the smart home environment; obtaining context information from the smart home environment regarding the visitor; based on the context information, identifying a plurality of appropriate actions available to a user of a client device for interacting with the visitor via the electronic greeting system; and causing the identified actions to be presented to the user of the client device.



[ver más...](#)

Control method and apparatus for smart home device, device, and medium

Publicada en Patentscope_Domótica, 25/11/2021.

Solicitante: GREE ELECTRIC APPLIANCES, INC. OF ZHUHAI [CN]

A control method and apparatus for a smart home device, a device, and a medium, for use in solving the problem of low safety caused by children at home freely controlling dangerous smart home devices at home. When voice information to be recognized is obtained, according to a voiceprint feature thereof, a corresponding registered voiceprint feature can be matched; because ages corresponding to registered voiceprint features are stored in advance, a target age corresponding to the matched registered voiceprint feature can be determined

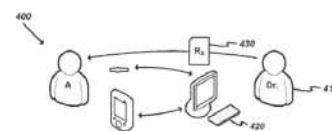
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Secure smart dosing system with automated delivery, measurement, and management for pills

Publicada en Patentscope_Domótica, 25/11/2021.

Solicitantes: Viverra Pharmaceuticals Inc.

A smart dosing device includes: a supply pathway having a compartment that is able to house a plurality of discrete doses of a particular substance; at least one sensor that captures identifying information related to the particular substance; a wireless communication module; and at least one security feature that restricts use of the smart dosing device. A method of providing a measured dose using a smart dosing device includes: retrieving a discrete dose from a storage cavity of the smart dosing device



[ver más...](#)

System and method for smart monitoring of human behavior and anomaly detection

Publicada en Patentscope_Domótica, 25/11/2021.

Solicitantes: Cherry Labs, Inc.

A new approach is proposed that contemplates systems and methods to monitor the premises, e.g., home, office facility, manufacturing floor, healthcare facility, nursing home, etc., to detect an abnormal activity, e.g., fire, smoke, flood, intrusion, fall, stroke, etc., in a smart fashion by leveraging machine learning (ML) model. The method includes receiving a data stream from an input device at a monitored location. The data stream is processed to determine a pose and a position of a person at the monitored location.



[ver más...](#)

Smart wall masonry panels

Publicada en Patentscope_Domótica, 19/11/2021.

Solicitantes: SMART INSULATION FINSHING SYSTEMS

A smart wall masonry panels SWMP system comprising two parts A and B which interlock together to form a non-load bearing masonry wall of a building envelope. The first part or PART A is an un-insulated high density masonry unit which forms the interior side of a wall. The density of the part A can vary between 1800 to 2200 kg/m³. The second part or PART B is a low density light weight thermally insulated masonry unit and forms an exterior side of the wall.

[ver más...](#)

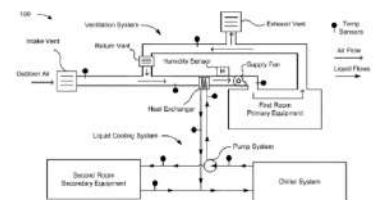
Systems and methods for controlling a hybrid air/liquid cooling system of a building

Publicada en Patentscope_Domótica, 18/11/2021.

Solicitantes: Verizon Patent and Licensing Inc.

A device may monitor an intake temperature of an air flow through an air intake of a building that includes a ventilation system for temperature control of a first region of the building, a liquid cooling system for temperature control of equipment that is within a second region of the building, and a heat exchanger that is thermally coupled to the ventilation system and the liquid cooling system. The device may determine that the intake temperature is below a threshold temperature.

[ver más...](#)

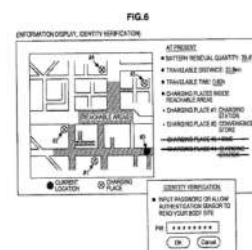


Information processing apparatus, motor-driven movable body, and discharge control method

Publicada en <https://worldwide.espacenet.com>, 18/11/2021.

Solicitante: SONY GROUP CORP [JP]

There is provided an information processing apparatus including a travelable information display unit that displays before a discharge, regarding motor-driven movable bodies of a discharge source and a discharge destination driven by using electric power of batteries, information about places to which the motor-driven movable body of the discharge source can move using electric power of the battery left after the discharge by assuming



[ver más...](#)

A retractable smart car shelter for vehicles in parking area or parking spot

Publicada en Patentscope_Domótica, 12/11/2021.

Solicitantes: Lovely Professional University

The present disclosure herein is a retractable smart car shelter for vehicles in parking area or parking spot in a house or building . The system provides a 2 way flip switch to switch power supply between solar powered rechargeable batteries and DC main power supply. The optical fiber deployed on the floor of parking area acts as load cell to evaluate whether a vehicle is parked or no in the parking area. The awning is automated and retracts automatically upon receiving signal.

[ver más...](#)

A smart lock/unlock system

Publicada en Patentscope_Domótica, 12/11/2021.

Solicitantes: GLA UNIVERSITY, MATHURA

The present invention relates to a smart Lock/Unlock system (100) based IoT device. The said lock/unlock system comprising a housing and a processor (110). The said lock/unlock system (100) further comprising plurality of sensors (101, 103) senses and detect the motion and measures the distance of the users. The said lock/unlock system (100) further comprising memory for storing one or more programs for execution by the processor (110)

[ver más...](#)

An embedded system for smart home

Publicada en Patentscope_Domótica, 12/11/2021.

Solicitantes: GLA University, Mathurathe

The present invention provides an embedded system for smart home comprising; plurality of input sensing device adapted to sense the need of measures to be taken for user; a processor which receive the analog electrical signal input from the input sensing device and covert to digital signal for further transmission; a transmitter which send the digital signal received from the processor and transmit to the data storing means where the data can be stored

[ver más...](#)

Apparatus and method for controlling electronic device at home, on basis of smart mat, and apparatus and method for controlling the smart mat

Publicada en Patentscope_Domótica, 11/11/2021.

Solicitantes: LG ELECTRONICS INC. [KR]

The present invention relates to an apparatus and method for controlling an electronic device at home, on the basis of a smart mat, and an apparatus and method for controlling the smart mat. In this regard, the present invention may include, with respect to the apparatus for controlling the electronic device at home, a communication unit and a processor electrically operably connected to the communication unit.

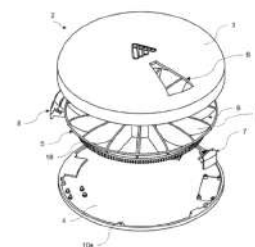
[ver más...](#)

System and method for digitally translating natural language prescription medication label to programmatically operable structure for use with smart pill containers

Publicada en Patentscope_Domótica, 11/11/2021.

Solicitantes: Sharp Solutions LLC

A smart pill container and system integrating the same, combined with a method for digitally translating natural language prescription medication into a programmatically operable structure and form for use by the smart pill container system, where the digital translation includes the abstraction of a prescription frequency characteristic into a number of “slots” and the abstraction of a prescription temporary characteristic by creating an array of “as of” date and value pairs, allowing for the building of a patient's prescription schedule.



[ver más...](#)

Ai-based automatic design method and apparatus for universal smart home scheme

Publicada en Patentscope_Domótica, 04/11/2021.

Solicitante: LI, Jianjun [CN]

An artificial intelligence (AI)-based automatic design method and apparatus for a universal smart home scheme and an electronic device, relating to the technical field of AI. The method comprises: acquiring an intelligent design-related plan drawing as an effective image sample; for a neural network system, establishing convolutional layer parameter sharing and sparse connection, and then using a pooling layer to reduce the size of a model; implementing effective recognition of the plan drawing by means of Python language programming

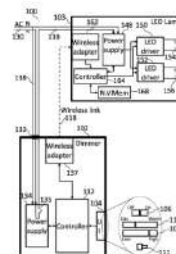
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Dimmer System Control

Publicada en Patentscope_LED, 04/11/2021.

Solicitante: Shafrir Romano

A dimmer comprising a controller and a wireless adapter coupled to the controller. The dimmer is connected to a LED lamp through a switched AC line. The controller is configured to send to the lamp user control information, and provisioning information for allowing the lamp to distinguish the control information transmitted by the dimmer from control information transmitted by other dimmers in the vicinity of the lamp.



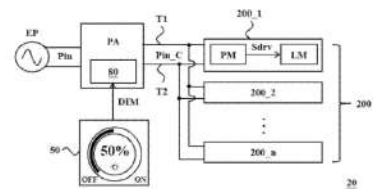
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Led lighting system, apparatus, and dimming method

Publicada en Patentscope_LED, 04/11/2021.

Solicitante: JIAXING SUPER LIGHTING ELECTRIC APPLIANCE CO., LTD

The present invention provides a power adaptor for an LED lamp, and an LED lamp system, each of which may achieve the function of light dimming in a current LED lamp without having to modify its original structure(s) wherein the current LED lamp originally could not have the function, or may achieve better dimming control of parallel-connected LED lamps.



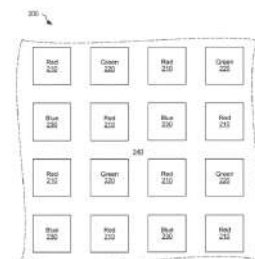
[ver más...](#)

Light emitting diodes with aluminum-containing layers integrated therein and associated methods

Publicada en Patentscope_LED, 04/11/2021.

Solicitante: Raxium, Inc.

A light-emitting diode (LED) structure includes an active region that has at least one aluminum-containing quantum well (QW) stack that emits light from the LED structure when activated. The LED structure exhibits a modified internal quantum efficiency value, which is higher than a LED structure that does not include aluminum within a QW stack.

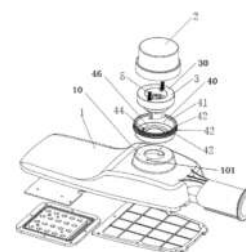


[ver más...](#)

Sealing ring, light sensation controller and led street lamp

Publicada en Patentscope_LED, 04/11/2021.

Solicitante: UNILUMIN ENERGY SAVING TECHNOLOGY CO., LTD [CN]
 A sealing ring, a light sensation controller and an LED street lamp. The sealing ring comprises a sealing ring body (41). The sealing ring body (41) comprises an upper end face and a lower end face which are opposite each other, and is provided with a mounting hole (40) penetrating the upper end face and the lower end face.

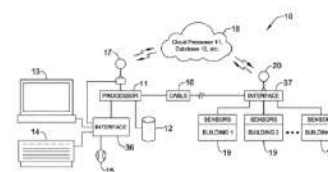


[ver más...](#)

Smart building score interface

Publicada en Patentscope_Domótica, 04/11/2021.

Solicitantes: Honeywell International Inc.
 A system and approach for observing how smart an enterprise is performing comparatively across a relevant industry. It may be model based, using dynamic data to observe the performance of the enterprise, such as one or more buildings. The system and approach may use a smart building score in view of metrics based off of comprehensive pillars or categories, including, for example, those of people, process, assets, environment and connectivity.



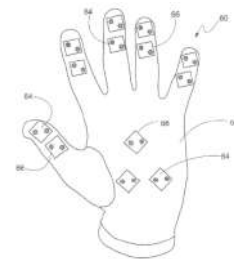
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Wearable uv-c gloves for microbial decontamination from surfaces

Publicada en Patentscope_LED, 04/11/2021.

Solicitantes: Jeffrey S. Gibson

Disclosed herein is a glove device for safely and reliably handling and decontaminating surfaces from microorganisms as well as continuously self-decontaminating subsequent to and/or during utilization thereof. Such a glove includes embedded UV-C light sources under controlled power outputs to impart decontamination/disinfection capabilities as well as protect any users thereof from potential low UV wavelength effects.



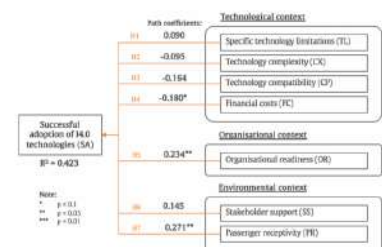
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PUBLICACIONES CIENTÍFICAS

Industry 4.0: Challenges and success factors for adopting digital technologies in airports

Publicada en <https://arxiv.org/>, 29/12/2021.

With the advent of Industry 4.0 technologies in the last decade, airports have undergone digitalisation to capitalise on the purported benefits of these technologies such as improved operational efficiency and passenger experience. The ongoing COVID-19 pandemic with emergence of its variants (e.g. Delta, Omicron) has exacerbated the need for airports to adopt new technologies such as contactless and robotic technologies to facilitate travel during this pandemic.

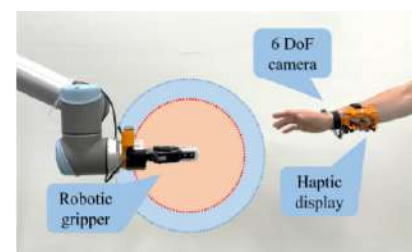


[ver más...](#)

CoboGuider: Haptic Potential Fields for Safe Human-Robot Interaction

Publicada en <https://arxiv.org/>, 16/12/2021.

Modern industry still relies on manual manufacturing operations and safe human-robot interaction is of great interest nowadays. Speed and Separation Monitoring (SSM) allows close and efficient collaborative scenarios by maintaining a protective separation distance during robot operation. The paper focuses on a novel approach to strengthen the SSM safety requirements by introducing haptic feedback to a robotic cell worker.

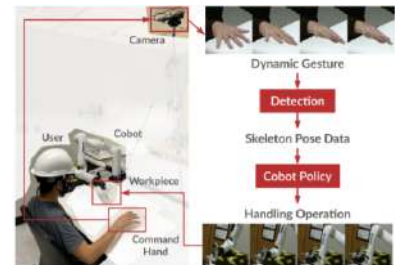


[ver más...](#)

Learn from Human Teams: a Probabilistic Solution to Real-Time Collaborative Robot Handling with Dynamic Gesture Commands

Publicada en <https://arxiv.org>, 11/12/2021.

We study real-time collaborative robot (cobot) handling, where the cobot maneuvers a workpiece under human commands. This is useful when it is risky for humans to directly handle the workpiece. However, it is hard to make the cobot both easy to command and flexible in possible operations. In this work, we propose a Real-Time Collaborative Robot Handling (RTCoHand) framework that allows the control of cobot via user-customized dynamic gestures.

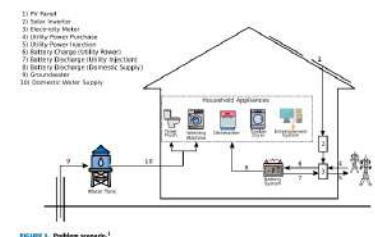


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A Compressive Receding Horizon Approach for Smart Home Energy Management

Publicada en *Tecnologías Inteligentes*, 30/11/2021.

Current increases in the demand for electricity require sustainable energy management measures and have promoted the adoption of clean and renewable sources, particularly at the residential building level. Active demand management is usually carried out through load shifting based on specific techniques, such as optimisation, heuristics, model-based predictive control and machine learning methodologies.

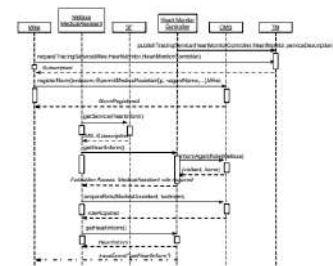


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Enhancing Smart-Home Environments using Magentix2

Publicada en Tecnologías Inteligentes, 30/11/2021.

Multi-agent system paradigm has been envisioned as an appropriate solution for challenges in the area of smart-environments. Specifically, MAS add new capabilities such as adaption, reorganization, learning, coordination, etc. These features allow to deal with open issues in the context of smart-homes such as multi-occupancy, activity tracking or profiling activities and behaviors from multiple residents. In this paper, we present Magentix2 as a suitable MAS platform for the development of [...]

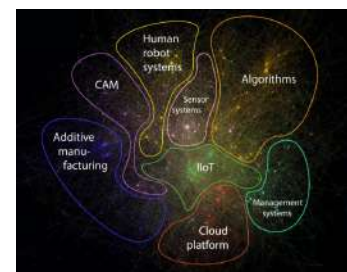


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Mapping Industry 4.0 Technologies: From Cyber-Physical Systems to Artificial Intelligence

Publicada en <https://arxiv.org>, 28/11/2021.

The fourth industrial revolution is rapidly changing the manufacturing landscape. Due to the growing research and fast evolution in this field, no clear definitions of these concepts yet exist. This work provides a clear description of technological trends and gaps. We introduce a novel method to create a map of Industry 4.0 technologies, using natural language processing to extract technology terms from 14,667 research articles and applying network analysis.

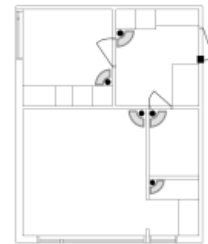


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Managing sensor data streams in a smart home application

Publicada en Tecnologías Inteligentes, 24/11/2021.

A challenge in developing an ambient activity recognition system for use in elder care is finding a balance between the sophistication of the system and a cost structure that fits within the budgets of public and private sector healthcare organisations. Much activity recognition research in the context of elder care is based on dense networks of sensors and advanced methods, such as supervised machine learning algorithms. This paper presents the data processing aspects of an activity recognition[...]

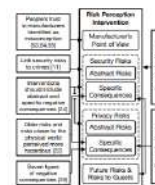


[ver más...](#)

How to Increase Smart Home Security and Privacy Risk Perception

Publicada en Tecnologías Inteligentes, 21/11/2021.

With continuous technological advancements, our homes become smarter by interconnecting more and more devices. Smart homes provide many advantages. However, they also introduce new privacy and security risks. Recent studies show that only a few people are aware of abstract risks, and most people are not aware of specific negative consequences. We developed a privacy and security awareness intervention for people who want to inform themselves about risks in the smart home context. Our interventio[...]



[ver más...](#)

