Profile Status: Published

Technology Request

A Cypriot SME is looking for partners for further development of its online reputation monitoring system for hotels

Summary

A Cypriot e-business SME specialising in software development of online reputation monitoring systems for hotels is seeking for partners from the industry and/or R&D institutions and/or inventor for further product/application development via research and/or technical cooperation agreement. The company's technology provides a novel software solution for hotels, allowing them to get real-time feedback from their guests and act immediately to solve any problem while guests are still in the hotel.

Creation Date	04 December 2017
Last Update	11 December 2017
Expiration Date	11 December 2018
Reference	TRCY20171114001
Public Link	https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/283f20ab-d902-4031-8aab-c8d9ae4317a7

Details

Description

The SME established in Cyprus in 2016 and it operates in the tourism industry developing web-based applications for online reputation monitoring for hotels. The company has presence in five different countries, where customers are using its hotel feedback application.

The technology connects the hotel with its guests through the Wi-Fi and offers the opportunity to the guests to rate and comment the hotel's services as well as report problems during their stay. By gathering all the information needed, as the reviews are submitted and received in real-time, the hotel has the opportunity to statistically process the guests' comments and cope with any possible arising problem in real time. The hotel can also display its news, announcements and offers on the guests' mobile devices (phones, tablets, laptops etc). Via the application the hoteliers can protects hotels' reputation and improve its services according to customers feedback. The technology can generate ten times bigger response than any other feedback means and can convert any company Wi-Fi into a powerful marketing and feedback tool.

The company is seeking to integrate into its application other complementary technologies, provided by other inventors, R&D institutions and SMEs, in order to further improve its tool efficiency by adding new functions and/or improve existing ones. Moreover, there is a need for additional functions testing in existing and new environments, aiming to improve the application

functionally and working environment.

The company is looking for research cooperation agreement and/or technical cooperation agreement in order find the necessary resources in terms of technological expertise to develop new efficient and compatible functions for its hotel feedback application.

Technical Specification or Expertise Sought

The company seeks for research and technological collaboration with other ICT companies, RDI institution and inventors to further improve its application efficiency by adding new functions and/or improve existing ones. The new functions could be in a concept and/or development and/or prototype and/or developed stage and suggesting new, improved services aiming to further improve application's functionality and potential. Moreover, the new functions must be tested in the existing working environment or even in a new working environment.

Stage of Development

Already on the market

Comments Regarding Stage of Development

The technology is in use by hoteliers in five different countries, showing its world-wide orientation and acceptance from international markets very quickly. It is used by more than 200 customers on the management level daily and interacts with 500 - 1000 unique users per day via the company's WiFi.

IPR Status

Trade Marks

Comment Regarding IPR status

The company has registered a trade mark at the European Union Intellectual Property Office (EUIPO).

Keywords

Technology

01003014	Internet Technologies/Communication (Wireless, Bluetooth)
01004002	Applications for Tourism
01006003	Mobile Communications

Market

07005003	Hotels and resorts

NACE

J.58.2.9	Other software publishing
J.63.1.2	Web portals
J.63.9.9	Other information service activities n.e.c.

Network Contact

Issuing Partner

ASTER - SOCIETA CONSORTILE PER AZIONI

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Open for EOI : Yes

Dissemination

Send to Sector Group

ICT Industry and Services

Client

Type and Size of Organisation Behind the Profile

Industry SME <= 10

Year Established

2016

Turnover

<1M

Already Engaged in Trans-National Cooperation

Yes

Languages Spoken

Turkish
English
Chinese
Greek
German
Russian
French

Arabic
Spanish
Italian

Client Country

Cyprus

Partner Sought

Type and Role of Partner Sought

The company is seeking for partners from the industry and/or research institutions as well as inventors in order to develop new innovative functions for its application. The potential collaborator, via a research and/or technical cooperation agreement, will provide new ideas and/or already developed novel application functions for testing and integration into the company's application. The new technologies must further develop the application functionality and efficiency, aiming to increase the application market potential and to facilitate its penetration into new markets.

Type and Size of Partner Sought

Inventor,R&D Institution,SME 51-250

Type of Partnership Considered

Technical cooperation agreement
Research cooperation agreement

Attachments

Profile Status: Published

Technology Offer

High-speed high-fidelity 3D advanced audio array simulation is available for license

Summary

A technology transfer organisation in the UK that specialises in the commercialisation of defence and security technology research is licensing a high-speed high-fidelity 3D advanced audio array simulation system. The novel system generates faster, more accurate simulations of audio arrays to improve user experience and reduce costs. The company is looking to license out this technology to audio product developers and service providers that undertake performance assessments of audio arrays.

Creation Date	17 May 2018
Last Update	24 May 2018
Expiration Date	25 May 2019
Reference	TOUK20180517001
Public Link	https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/47a5df42-20f7-4bf1-810f-98868426ba66

Details

Description

Simulation and modelling of audio arrays is computationally slow and the results lack fidelity. Deployed systems are typically therefore under-optimised either because it is not cost-effective to apply current analysis techniques, or ineffective due to changes in the deployed environment. The current solution is to deploy numerous microphones in order to achieve an acceptable level of performance. However, this results in an unnecessarily large number of microphones in the array while still resulting in sub-optimal performance.

A leading UK technology transfer organisation has developed a new analysis technique that provides accurate real-time simulations which will allow the development of cost-effective, high performance 3D audio arrays into a wide range of products and services. The advanced audio array simulation is a computationally much faster and accurate method to generate the frequency responses of a microphone array. This is achieved with an advanced 3D algorithm. This method is approximately 1,000 times faster than classical techniques at generating 2D and 3D frequency responses of a microphone array. For example, using comparable processors, a computational process that would take 8 hours can now be completed in 30 seconds. This method also allows a significant reduction in the number of microphone elements required while also improving performance. A prototype has been developed and compared with a leading commercially available microphone array. Measurement of the 3D Directivity Index (DI) has shown that the commercially available system comprising 70 microphones could be outperformed by a 16-element array.

The advanced audio array simulation can be used to calculate the optimum response from an array and determine the physical configuration required in order to achieve it. Alternatively, an array of randomly positioned elements can be modelled in order to achieve the best performance possible. Measurements of the deployed array can then be analysed to confirm the desired response is being achieved. If required, this information can then be used to adjust the beamforming algorithm to improve or maintain the performance of the array. This makes it particularly beneficial for systems deployed in dynamic environments with challenging and/or noisy situations.
Applications of this new technique include any system with multiple receive (microphones) or transmit (speakers) elements that conform to the wave equation:
- Event recording – concerts, sports.
- Voice recognition – virtual assistants, e.g. Amazon Echo and Google Home.
- Immersive Audio – gaming / home cinema.
- Automotive – beamforming for music / calls.
- Medical – improvements to ultrasound.
- Smartphone – improved microphone arrays, e.g. for teleconferencing.

The company is looking to offer this technology to audio product developers and service providers that undertake performance assessments of audio arrays under a license agreement.

Advantages and Innovations

- Improved Quality of Service – performance improvement delivers better user experience.

- Dynamic – optimal performance is maintained in changing environments.

- Reduced Size and Cost – fewer microphones in the array.

- Power Reduction – less processing required by fewer microphones.

Stage of Development

Available for demonstration

IPR Status

Copyright

Profile Origin

Private (in-house) research

Keywords

Technology

01003017	Speech Processing/Technology
01003022	Smart Appliances
01006001	Audiovisual Equipment and Communication
01006011	Description to Sound and Music Computing
03007	Sound Engineering/Technology

Market

02008002	Voice recognition

05004005	Diagnostic equipment
07001001	Movies, movie products and theatre operations
09001005	Motor vehicles, transportation equipment and parts
09003001	Engineering services

NACE

M.74.9.0	Other professional, scientific and technical activities n.e.c.

Network Contact

Issuing Partner

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Open for EOI : Yes

Dissemination

Send to Sector Group

ICT Industry and Services

Client

Type and Size of Organisation Behind the Profile

Industry SME 11-49

Year Established

0

Already Engaged in Trans-National Cooperation

Yes

Languages Spoken

English

Client Country

United Kingdom

Partner Sought

Type and Role of Partner Sought

The company is looking to license out this new technique to companies involved in the development of products or sub-systems containing audio arrays (e.g. smartphones, automotive, surround sound), and/or companies that provide a service to establish the performance of a given audio array.

Type and Size of Partner Sought

SME 11-50,SME <10,>500 MNE,251-500,SME 51-250,>500

Type of Partnership Considered

License agreement

Attachments

Profile Status: Published

Technology Offer

Heat-generating imitation leather

Summary

A German SME, active in the fields of textile, material and electronic development, has designed in cooperation with another company heat-generating imitation leather consisting of an electrically conductive textile carrier layer and a hardwearing plastic coating. The material is suitable as a self-warming cover for many different applications. The companies are looking for partners interested in commercial agreements with technical assistance and/or technical cooperation agreements.

Creation Date	11 October 2017
Last Update	16 October 2017
Expiration Date	16 October 2018
Reference	TODE20170831003
Public Link	https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/23c0be35-6000-4983-87a2-07680ffd03e0

Details

Description

Two German companies, founded in 1998 and 2001, have long-term experience in research & development of electrically heating textiles and other materials like leather.
The business goal is combining high-tech innovations and development from various fields of knowledge and economy with technological possibilities of textile industry and others creating and producing intelligent products and bringing into varying outlet markets. To disseminate its knowledge of novel materials and their process-specific aspects such as technological solutions into companies is a main task.

The heat-generating imitation leather is a completely new technology on the market. The user defined mutable and in all colours, available imitation leather consists of an electrically conductive textile carrier layer and a hardwearing plastic coating. Most important preference/advantage of the high-tech material with only 1,2 millimetres of thickness is the fact that the comfortable warmth (max. 40° C) on the entire surface is setting out evenly.
The material is suitable as self-warming cover for seats and divan beds in leisure and office areas, for cars, railroads, passenger liners as well as seat cushions in sport arenas.

The companies are looking for industrial partners from automotive, builder of sport arenas and others, interested in a transfer of the technology and offers support in frame of a commercial agreement with technical assistance.

For joint further development of the technology and testing new applications, partners are sought for a technical cooperation agreement.

Advantages and Innovations

Heat-generating imitation leather is completely new on the market.
The leather:
- User-defined cut available
- All colours as requested
- 1,2 mm of thickness only
- Comfortable warmth till 40°C is setting out evenly
- Self-warming cover
- Heat output at most 400 watts per m²
- Operating voltage of 48 V, harmless for humans
- Supplying by accumulator is also suitable
- Environmentally friendly

Stage of Development

Field tested/evaluated

IPR Status

Secret Know-how

Profile Origin

National or Regional R&D programme

Keywords

Technology

02002002	Coatings
02002006	Hardening, heat treatment
02002008	Jointing (soldering, welding, sticking)
02007005	Composite materials

Market

05003006	Other therapeutic (including defibrillators)
05007003	Handicap aids
07001005	Sport facilities (gyms and clubs)
07004002	Health and beauty aids

NACE

C.27.9.0	Manufacture of other electrical equipment

Network Contact

Issuing Partner

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Open for EOI : Yes

Dissemination

Send to Sector Group

Materials

Client

Type and Size of Organisation Behind the Profile

Industry SME 11-49

Year Established

1998

Turnover

<1M

Already Engaged in Trans-National Cooperation

Yes

Experience Comments

Technical items: Coating material: PVC1629 Carrier layer: Polyester knitted fabric with threads of stainless steel Substance: 660g/m² (+/-50) acc. to DIN EN ISO 2286-2 Thickness: 1,1 mm (+/-0,1) acc. to DIN EN ISO 2286-3 Width: 170 cm Surface temperature: max. 40°C Heat capacity: ca. 400 W/m²

Languages Spoken

English
German

Client Country

Germany

Partner Sought

Type and Role of Partner Sought

The companies are looking for industrial partners from automotive, builder of sport arenas and others, with willingness for joint further development of the technology.
The partners should be interested in testing new applications, adaptation to specific needs and/or going to the market.

Type and Size of Partner Sought

SME 11-50,SME <10,>500 MNE,251-500,SME 51-250,>500

Type of Partnership Considered

Commercial agreement with technical assistance
Technical cooperation agreement

Attachments

Heat generating imitation leather.jpg


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