Profile Status: Published

Technology Offer

Molds and polycomponent replicas of high quality of fossils, rocks and minerals

Summary

A Spanish R&D institute has developed a Technique for making polycomponent molds and replicas of fossils, rocks,and minerals. The high quality of the resulting specimens and their great visual similarity with the originals, let substitution of originals by replicas in places of an exhibition (for example in museums). This type of replicas is especially important to preserve unique or exceptional fossils and minerals.They are looking for a License agreement, commercial and cooperation agreements.

Creation Date	25 October 2018
Last Update	08 November 2018
Expiration Date	09 November 2019
Reference	TOES20181019002
Public Link	https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/e289c048-268c-4bac-9406-1f945800b9de

Details

Description

The technique carried out by the Spanish R&D institute follows the traditional RTV-2 silicone elastomer molding technique with the most suitable release agents, if necessary, which would be eliminated at the end of the process.
The copies use the most appropriate materials for their physical and chemical characteristics, pursuing at all times the greatest visual similarity with the original materials to replicate so that they can substitute for their appearance to the originals in places of an exhibition as showcases. This is especially useful in unique or exceptional holotypes and minerals, as well as those that should be out of sight and kept in special containers.
Production of this type of replicas is especially important to preserve unique or exceptional fossils and minerals. The molding and casting of the various specimens guarantee the safeguarding of the original so that the original elements are not altered by stains or breaks.
The Spanish R&D institute offers the production of molds and replicas of rocks, fossils, and minerals, both from this institution and others, as well as from particular origins, via a License agreement, commercial and cooperation agreements.

Advantages and Innovations

Traditionally replicas have been denigrated, both for their poor quality and for the damage caused to the originals when molded by low-skilled professionals. With this methodology, high-quality copies are obtained so that they are not distinguishable from the original in the display

case, except for the placard.
In this methodological procedure for the reproduction of fossil rocks and minerals, different materials are used, either opaque, translucent or transparent, coexisting in the same piece and capable of reproducing the same aspect as the original and characteristics, such as zones and inclusions in crystals, or enamel and dentin in the jaw of a vertebrate.
Competitive advantages:

• High-quality copies, indistinguishable in the showcase from the original.
• Multicomponent replicas, admitting the coexistence of opaque, translucent or transparent elements in the same piece.
• The molding and casting of the various specimens guarantee the safeguarding of the original so that the original elements are not altered by stains or breaks.

Stage of Development

Available for demonstration

IPR Status

Secret Know-how,Patents granted

Profile Origin

Other

Keywords

Technology

03003	Apparatus Engineering

Market

09004008	Other manufacturing (not elsewhere classified)

Network Contact

Issuing Partner

ASTER - SOCIETA CONSORTILE PER AZIONI

Contact Person

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Open for EOI : Yes

Dissemination

Relevant Sector Groups

Creative Industries
Environment

Client

Type and Size of Organisation Behind the Profile

R&D Institution

Year Established

0

Already Engaged in Trans-National Cooperation

No.

Languages Spoken

English
Spanish

Client Country

Spain

Partner Sought

Type and Role of Partner Sought

The Spanish R&D Institute is looking for different profiles:

- Universities, R&D institutions, museums: commercial agreement with technical assistance to realize the molds and replicas of their originals and technical cooperation agreement for boosting their technology through research collaborations.

- SMEs and other companies: commercial agreement with technical assistance to make the molds of the original specimens and gives technical advice to the company for the realization of the replicas. Also, this type of partner is sought for license agreements.

Type and Size of Partner Sought

SME 11-50,University,R&D Institution,SME <10,251-500,SME 51-250,>500

Type of Partnership Considered

License agreement

Attachments



Replica



Replica



Replica



Replica

Profile Status: Published

Technology Request

Data analyses for robotized validation of rules and regulations on specific industry audits

Summary

A Dutch subsidiary of an international accountancy & advisory firm wishes to develop an Audit Intelligence Robot based on data analytics techniques for its financial and risk auditing activities. They are looking for expertise in algorithms and Artificial Intelligence to help generate a pre-audit statement or report for auditors. Collaboration to be based on a research cooperation agreement or a technical cooperation agreement. This technology request is part of an open innovation challenge.

Creation Date	09 October 2018
Last Update	12 October 2018
Expiration Date	13 October 2019
Reference	TRNL20180924001
Public Link	https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/66724edf-0428-405d-82d5-8f6db1b9b998

Details

Description

One of the business activities of this Dutch company is performing financial and risk audits for clients. In the Audit practice there are two driving forces that lead to the desire to further automate the intelligence needed for a high quality audit. On the one hand society and regulatory authorities are forcing the industry to constantly increase the quality of their audits. On the other hand the availability of data and new technologies allow to anticipate on future business models in which data is a critical component.
The company wants to develop its own Audit Intelligence Robot (AIR) that prepares a pre-audit statement or –report by combining data from clients, external sources and laws and regulations. Intelligence needs to be added to transform data in meaningful insights, compliant with regulations and companies policies.
The company has already implemented an innovative data factory concept. Today it gives access to large amounts of client- and industry data: literally millions of files for thousands of clients. Now they need assistance to add intelligence like deep learning, predictive capabilities and others to this factory to bring the Robot alive.

Motives for this development:
• The company's business model is changing rapidly through digitization and other external influences.
• Monetize on the company's data factory, data is the new gold.
• The current war for talent drives the company to alternative methods for labour. Human Workforce to Robot Workforce.

• The company's drive for quality, pushed by external regulators.

The company is looking for companies that can help to produce a pre-audit report for their auditors by developing this Audit Intelligence Robot.
Collaboration should be based on a research cooperation agreement or a technical cooperation agreement.

This technology request is an innovation challenge that is published on an open innovation platform. If interest in cooperation with this firm is expressed, the potential partner will be guided towards this open innovation platform on which he can get in touch with the company via a chat function. Mind that posts on this platform are not confidential. Besides open discussion on the platform, sharing of confidential information will be made possible on demand. After closing of the open innovation platform on November 23rd, the corporate company will make a selection of the organizations that have been active in the chat for further contact. Expressions of interest that are made after November 23rd will be handled as usual in the Network.

Technical Specification or Expertise Sought

The company is looking for companies that can help to develop a pre-audit report generator for their accountants by developing this Audit Inteligence Robot. To do this, companies should have capabilities that range from developing algorithms to Artificial Intelligence.
Which disciplines are needed:
• Knowledge management
• Data science, Data engineering, Big data expertise
• Data Visualisation

Stage of Development

Concept stage

Comment Regarding IPR status

Co-development based on a non disclosure agreement and on license agreements.

Keywords

Technology

005004001	Algorithms and Complexity
01001001	Automation, Robotics Control Systems
01003003	Artificial Intelligence (AI)
01003008	Data Processing / Data Interchange, Middleware
01003010	Databases, Database Management, Data Mining

Market

02006005	Big data management
02006007	Databases and on-line information services

NACE

J.63.1.1 Data processing, hosting and related activities

Network Contact

Issuing Partner

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Open for EOI : Yes

Dissemination

Relevant Sector Groups

ICT Industry and Services

Client

Type and Size of Organisation Behind the Profile

Industry >500 MNE

Year Established

0

Turnover

250 - 500M

Already Engaged in Trans-National Cooperation

No.

Languages Spoken

English
Dutch

German

Client Country

Netherlands

Partner Sought

Type and Role of Partner Sought

The company is looking for potentially product development collaboration and licensed distribution, for example based on a potential Software as a Service offering setup.

Type and Size of Partner Sought

SME 11-50,University,R&D Institution,SME <10,>500 MNE,251-500,SME 51-250,>500

Type of Partnership Considered

Technical cooperation agreement
Research cooperation agreement

Profile Status: Published

Technology Offer

Innovative bi-stable and elastic hinge for glasses

Summary

A small French company specialised in the design of glasses has developed an innovative bi-stable eyeglass hinge with elastic properties, providing high comfort, flexibleness and lightness, and allowing a better durability of the frame, thanks to an interchangeable fuse element, which can be replaced by the user. The company offers a manufacturing or licence agreement.

Creation Date	04 October 2018
Last Update	09 November 2018
Expiration Date	24 October 2019
Reference	TOFR20180921001
Public Link	https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/15311aef-fae1-420f-bcbf-2a2ed6243167

Details

Description

A French SME specialised in design of eyeglass hinge, subsidiary of a traditional and historical eyeglass company, offers the production of Original Equipment Manufacture eyeglasses.
The company designs, manufactures and produces white-label eyeglasses. The company is able to develop hinges, realise the frame design and manufacture the glasses. The company can produce sunglasses or optic eyeglasses in many materials such as acetate, injection plastic, stainless steel, aluminium, titanium, wood…. The solution can be used for common eyeglasses, children and sports eyeglasses.
The company has developed and patented an innovative eyeglass hinge, based on an elastic fuse, providing high comfort, flexibleness and lightness. The system allows a better durability, thanks to an interchangeable fuse element, which can be replaced by the user without any tools.
The company works with several partners specialised in technical materials, to design and test the flexible material used.
The durability of the product has been tested on CE standardby an external laboratory.
The company also tests the opening and closing of the branches, on 10,000 cycles, successfully, corresponding to about 4 years of use.
The company wishes to manufacture innovative eyeglasses, for established brands, eyeglasses channels, distributors or insurance companies, designed on their needs.
The company can also offers licences to other eyeglasse manufacturers.

Advantages and Innovations

The company has designed a hinge with two stable positions, one open and one closed.
The elastic part brings a small pressure close to the hears and keep the eyeglasses on position

(not sliding on the nose). It offers a high comfort to the wearer.
The elastic part gives flexibility to the frame, and allows it to be twisted.
The elastic part is designed as a fuse system, in order to protect the eyeglasses. In the case of a real strong deformation, the fuse will break and protect the frame. This brocken part is replacable by the user, without any tools.
This system also allows customisation, for example different colors of branches for everyday use.

Stage of Development

Available for demonstration

IPR Status

Design Rights,Patent(s) applied for but not yet granted

Profile Origin

Other

Keywords

Technology

11009	Creative products

Market

05003006	Other therapeutic (including defibrillators)
07004001	Clothing, shoes and accessories (including jewellery)

NACE

C.14.1.9	Manufacture of other wearing apparel and accessories
M.74.1.0	Specialised design activities

Network Contact

Issuing Partner

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Open for EOI : Yes

Client

Type and Size of Organisation Behind the Profile

Industry SME <= 10

Year Established

2017

Turnover

<1M

Already Engaged in Trans-National Cooperation

No.

Languages Spoken

English
French

Client Country

France

Partner Sought

Type and Role of Partner Sought

The company, offers a manufacturing agreement of white-label products for established brands, eyeglasses channels, distributors or insurance companies. The company is able to create specific design for their clients.

The company can also offer a licence agreement to eyewear manufacturers, in order to use the innovation in their own collection / for their own customers. He will be in charge of the production and we will guarantee the delivery of elastic parts. In addition, the company can offer him the design of all the collection and let him produce in his own facility.

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
Manufacturing agreement

Attachments



Eyeglasses



Eyeglasses



Eyeglasses