

Technology Request

Computer-aided Design (CAD) method for boat designs

Summary

A Polish company specialized in the design and production of cruise and sport boats is looking for R&D organization/technical university to provide technology for computer-aided design (CAD) method for boat designs. Requested technology should be fully developed.

Creation Date	29 September 2014
Last Update	06 October 2014
Expiration Date	06 October 2015
Reference	TRPL20140924001

Details

Description

A Polish company specialized in the design and production of cruise and sport boats is looking for R&D organization/technical university to provide technology for computer-aided design (CAD) method for boat designs.

The company's designers would like to have advantages from computer technology as a tool for reducing tedious calculations.

State-of-the-art innovation is represented by the development of an integrated 3D modeling and Computer-aided Design (CAD) method for boat designs, which combines all distinctive boat design software modules in a single system.

This state-of-the-art design method captures the features of modern design methods form; from paper and pencil sketches (by means of scanners) to computer screen modeling, and designers are able to recognize the effects of subtle modifications on the design.

This random process also makes available a great deal of design time and thus reduces the exploration efforts, which results in optimum designs. Less difficulties of data redundancy, inconsistency, and flexibility structure are obtained in addition.

A company is looking for R&D organization/technical university to provide technology for computer-aided design (CAD) method for boat designs.

The requested technology should be fully developed. A company is interested in joint further development and adaptation to specific needs.

Stage of Development

Available for demonstration

Keywords

Technology

002001001 3D printing

Market

002002001 CAD/CAM, CAE systems

002004004 Other scanning related (including optical mark sensing and image processing)

008002003 Process control equipment and systems

NACE

M.71.1.2 Engineering activities and related technical consultancy

Client

Type and Size of Organisation Behind the Profile

Industry SME 11-49

Year Established

2012

Already Engaged in Trans-National Cooperation

No.

Langages Spoken

English

Polish

Client Country

Poland

Partner Sought

Type and Role of Partner Sought

A company is looking for R&D organization/technical university to provide technology for computer-aided design (CAD) method for boat designs.

The requested technology should be fully developed. A company is interested in commercial agreement with technical assistance.

Type of Partnership Considered

Commercial agreement with technical assistance

Technology Request

Thermal insulation technology for blocking heat transfer

Summary

A South-Korea based R&D Center, specialized in environment and energy sector, is looking for a thermal insulation technology for home users to block heat transfer. The company is interested in technology cooperation agreements and commercial agreements with technical assistance

Creation Date 30 September 2014
Last Update 06 October 2014
Expiration Date 06 October 2015
Reference TRKR20140930002

Details

Description

They are looking for is spray/coating type thermal insulation technology for home users which can be applied on inside of the window to block heat transfer

The technology sought is as follows;

- Block up to 95% of the heat
- Spray type or Coating Type
- Can be applied on inside window of established/current buildings and homes
- Cost-effective
- Eco-friendly

Technical Specification or Expertise Sought

The technology should be able to applied on inside window of the established/constructed buildings and home

Keywords

Technology

004008 Energy efficiency

Market

006008002 Thermal insulation

NACE

M.72.2.0

Research and experimental development on social sciences and humanities

Client

Type and Size of Organisation Behind the Profile

Industry SME 11-49

Year Established

2012

Already Engaged in Trans-National Cooperation

No.

Langages Spoken

English

Client Country

South Korea

Partner Sought

Type and Role of Partner Sought

Task to be performed by the partner sought : technology cooperation

Type of partner sought : Industry, University, Institution

Specific area of the partners : Energy management, Home/Building

Type and Size of Partner Sought

>500

Type of Partnership Considered

Commercial agreement with technical assistance

Technical cooperation agreement

Technology Request

Solid lubricant for blades and razors

Summary

A Brussels-based multinational active in consumer goods is seeking solutions that significantly reduce the wet friction of blades and razor products. Solutions may include developed technology, material or materials package, or co-development partner. The company is looking for technical collaboration or licence agreement aimed at reaching one of the following types of outcome expected: ready to use / off the shelf or proven concept, that is scaled or scalable.

Creation Date 25 September 2014

Last Update 02 October 2014

Expiration Date 02 October 2015

Reference TRBE20140925001

Details

Description

Controlling and tuning friction of a razor over skin is an important lever for consumer delight. An approach to decrease friction is to increase the polyethylene oxide lubricant (PEO) molecular weight in the lubricating strip, but this gives consumer negatives in terms of shaving performance.

This Brussels-based large account intends to introduce one or more new lubricants on the razor that do not have performance trade-offs.

The company is then seeking solutions that significantly reduce the wet friction of blades and razor products. As mentioned in the summary, solutions may include developed technology, material or materials package, or co-development partner.

Technical Specification or Expertise Sought

The company require a razor lubricant system which works on skin and can:

- Form a highly lubricating film superior to the current lubrastrip on a shaving cartridge as measured using tribometry.
- Maintain the integrity of the film under high shear rates of $>10^4$ s⁻¹ and very high contact pressures under blades.
- Be effective at low concentrations (e.g. <1% w/w - weight on weight - if in aqueous solution) is less stringy than current PEO eg. via Capillary Breakup Extensional Rheometer filament break time
- Reduce surface tension to aid wetting out the surfaces e.g. via contact angle on suitable skin analogue or surface tension measurement in solution.

It is also highly desirable but not essential that the lubricant is water soluble

Optimal working conditions:

- 15-45 °C water temperature
- Linear velocities up to 0.5 m/s
- Cartridge loads of 100-700g
- Safe for human skin exposure
- Low friction mode should be active almost immediately; i.e. Active by subsequent stroke over same area
- Should not leave undesirable residue
- No strong aroma/color

Possible routes to investigate (not limited to)

- Mitigate PEO stringiness
- Partial or total replacement of PEO

Solutions that are NOT of interest

- Solutions which are possible as a solid formed article are preferred.
- Solutions which require a fluid are of secondary interest.

Timeframe for adopting this solution:

- The technology solution should be ready for integration into a consumer product within 3 years.
- Options which require tailoring the solution and fit for longer term will be considered as well.

Other comments/important considerations:

- Can provide lasting competitive advantage; e.g. through IP or exclusive purchase.
- Samples available within 3 months
- Proven technical feasibility with prototype data within 6 months

Type of outcome expected:

- Ready to use / off the shelf
- Proven concept, that is scaled or scalable.

Keywords

Technology

003004011	Care, Hygiene, Beauty
006001023	Single Use Products and Consumer Goods

Market

007004002	Health and beauty aids
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NACE

C.32.9.9	Other manufacturing n.e.c.
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Dissemination

Send to Sector Group

Healthcare

Client

Type and Size of Organisation Behind the Profile

Industry >500 MNE

Year Established

0

Already Engaged in Trans-National Cooperation

Yes

Langages Spoken

English

Client Country

Belgium

Partner Sought

Type and Role of Partner Sought

Type of partner sought: SMEs, industry, or R&D institution

Specific area of the partner: any player with expertise in razor lubricant systems

Role of Partner Sought: provide the solution sought either as a Ready to use / off the shelf solution or as a proven concept, that is scaled or scalable.

Type and Size of Partner Sought

SME 51-250

Type of Partnership Considered

License agreement

Technical cooperation agreement

Technology Request

Innovative technology of 3D printing materials

Summary

A South-Korea based R&D Center, specialized in functional material sector, is looking for innovative 3D printing materials. They pursue business strategies to commercialize technologies including high-tech display materials, slimness and weight reducing products via technology transfer and M&A. The company is interested in license agreements and commercial agreements with technical assistance.

Creation Date 30 September 2014
Last Update 07 October 2014
Expiration Date 07 October 2015
Reference TRKR20140930003

Details

Description

3D printing is currently the subject of a great deal of speculation and excitement in the media. In distributed manufacturing, one study has found 3D printing could become a mass market product enabling consumers to save money associated with purchasing common household objects. In fact the materials market for 3D printing is possibly the most contentious issue in the 3D printing industry today. The Korean R&D center is looking for innovative 3D printing materials to expand their business into 3D printing market.

The technology sought is as follows;

- Innovative 3D printing materials
- The highest quality
- Wide range of quality materials
- Each material can offer a unique combination of practical and aesthetic properties

Technical Specification or Expertise Sought

Applications should be many, including architecture, construction, industrial design, automotive, military, engineering, dental and medical industries, biotech and many other fields.

Keywords

Technology

002007014	Plastics, Polymers
002007028	Nanomaterials

Market

008001018 Polymer (plastics) materials

NACE

M.72.2.0 Research and experimental development on social sciences and humanities

Client

Type and Size of Organisation Behind the Profile

Industry SME 11-49

Year Established

2012

Already Engaged in Trans-National Cooperation

No.

Langages Spoken

English

Client Country

South Korea

Partner Sought

Type and Role of Partner Sought

Task to be performed by the partner sought : technology transfer, technical assistance

Type of partner sought : Industry, University, Institution

Specific area of the partners : 3D Printing materials, Advanced materials

Type and Size of Partner Sought

>500

Type of Partnership Considered

License agreement

Commercial agreement with technical assistance

Technology Request

Seeking car electric batteries for production of an electric car

Summary

A Slovenian SME, a supplier and partially producer of electric scooters wants to enlarge its offer on the market with electric cars for city use. The company has a know how for assembly of electric car components in electric vehicles. The company seeks partners, SMEs and large companies, producers and distributors of electric batteries for implementation in the electric vehicles. They are prepared for collaboration in terms of a commercial agreement with technical assistance.

Creation Date	25 September 2014
Last Update	03 October 2014
Expiration Date	03 October 2015
Reference	10 SI 68CS 3JU3

Details

Description

This Slovenian SME is a supplier and partially producer of electric scooters that wants to enlarge the offer with mini electric cars for city use. The company has know how for assembling electric scooters and components for electric cars. In the past years they have collaborated with Slovenian companies active in the electric car sector. The company seeks partners, suppliers of electric car batteries for implementation in the electric car.

Technical Specification or Expertise Sought

Li-PO and Li-Fe Po batteries for implementation in the electric car.

Stage of Development

Already on the market

IPR Status

Secret Know-how

Comment Regarding IPR status

The company has a secret know how for assembling and implementing electric car components in electric car.

Keywords

Technology

002009002	Hybrid and Electric Vehicles
004001003	Storage of electricity, batteries

Market

007004008	Automobile parts
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NACE

J.61.1.0	Wired telecommunications activities
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Dissemination

Send to Sector Group

Automotive, Transport and Logistics

Restrict Dissemination to Specific Countries

Austria, Germany, Italy, Spain, United Kingdom,

Client

Type and Size of Organisation Behind the Profile

Industry SME <= 10

Year Established

2009

Turnover

<1M

Already Engaged in Trans-National Cooperation

Yes

Langages Spoken

English
Italian

Client Country

Slovenia

Partner Sought

Type and Role of Partner Sought

- Type of partner sought: SMEs, industry
- Specific area of activity of the partner: manufacturers and suppliers of electric car batteries
- Task to be performed by the partner sought: to offer electric batteries and technical assistance for implementation of the batteries in the electric car.

Type and Size of Partner Sought

>500

Type of Partnership Considered

Commercial agreement with technical assistance

Technology Request

Advanced abrasive technology solutions sought for high value metal working and carbon composite applications.

Summary

In the UK there is a clear commercial opportunity for the introduction of superior products using advanced abrasive technology for speciality metal working and carbon composite fabrication applications. A UK SME that is an established supplier of welding and abrasive products to industrial users seeks partners with access to such technology to collaborate on the development and supply of new, high value abrasive products.

Creation Date	26 September 2014
Last Update	02 October 2014
Expiration Date	02 October 2015
Reference	TRUK20140926001

Details

Description

An East of England SME has become an established supplier of welding materials and abrasives to the UK metal working and materials' fabrication industries. With regard to finishing processes, the company perceives that the UK market is currently dominated by low value, abrasive products. While this type of material is cheap, it does mean that any piece of metalwork or product made of composite material has to undergo multiple finishing steps to achieve the quality of finish required for high value applications with resulting extra cost. There are also the problems relating to excessive dust production with such cheap abrasives creating serious health and safety issues and, in the case of carbon composite working, the risk of explosion. Indeed, there are currently no abrasive products available in the UK designed specifically for carbon composite finishing.

Therefore, there is a clear opportunity for the deployment of advanced abrasive technologies to facilitate the introduction of superior abrasive products for high value metal working and carbon composite product fabrication applications in the UK. Such end-product applications include decorative stainless steel, fuel tank manufacture, marine industry applications and the manufacture of high performance bicycles.

Partners with, or with access to such superior abrasive technologies capable of imparting high quality finishes to specialist metal and carbon composite materials are sought to work with the company in the development, production and supply of advanced abrasive products.

Technical Specification or Expertise Sought

Advanced abrasive technologies and expertise in such technologies which are capable of producing quality finishes with high value products fabricated from superior metal and carbon composite

materials.

Comments Regarding Stage of Development

The abrasive technologies should already be being used in production contexts or at a development stage that will allow their use in such contexts with minimal development to suit the specific application.

IPR Status

Secret Know-how, Patent(s) applied for but not yet granted, Patents granted, Exclusive Rights

Comment Regarding IPR status

Technologies need to have or have the potential for some form of intellectual property protection.

Keywords

Technology

002002014	Surface treatment (painting, galvano, polishing, CVD, PVD)
002007005	Composite materials
003001001	Cleaning Technology

Market

008001004	Fibre-reinforced (plastic) composites
008001009	Speciality/performance materials: producers and fabricators
008001012	Speciality metals (including processes for working with metals)
008001015	Other speciality materials
009004008	Other manufacturing (not elsewhere classified)

NACE

C.23.9.1	Production of abrasive products
C.25.6.1	Treatment and coating of metals
G.46.7.6	Wholesale of other intermediate products

Dissemination

Send to Sector Group

Materials

Client

Type and Size of Organisation Behind the Profile

Industry SME <= 10

Year Established

1978

Turnover

1 - 10M

Already Engaged in Trans-National Cooperation

Yes

Experience Comments

Company imports products from international sources which it uses to supply customers in its UK markets.

Certification Standards

ISO 9001

ISO 14001

Langages Spoken

English

German

French

Client Country

United Kingdom

Partner Sought

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Type and Role of Partner Sought

Companies and development institutions with access to advanced abrasive technologies able to work collaboratively on the development and supply of high value products for specialist metal working and carbon composite fabrication applications.

Type and Size of Partner Sought

SME 51-250

Type of Partnership Considered

License agreement

Commercial agreement with technical assistance