An eco-friendly technology for leather manufacturing

Summary

Ukrainian scientists specialized in the leather tannery and tanning process have developed an eco-friendly technology for animal (cattle) skin and hide processing that facilitates the production of a set of high-quality products (wet blue, wet white, crust) as well as leather for footwear (working/sports/running shoes) and furniture. The developers are looking for industrial partners for licensing as well as R&D institutions for technical/research cooperation.

Creation Date	21 October 2016
Last Update	14 November 2017
Expiration Date	06 May 2018
Reference	TOUA20160927001

Details

Description

The leather production processes have a high environmental impact, most notably due to
-the heavy use of polluting chemicals in the tanning process,
-air pollution due to the transformation process.
The Ukrainian scientists specialized in leather tannery and tanning process developed an environmentally friendly technology for animal skin and rawhide processing. The technology provides the usage of highly refined natural aluminum silicates and vegetable substances in the tanning process that allows to obtain a set of ecologically friendly products:
-wet blue, wet white, crust,
-high-quality leather for footwear manufacturing (work/military/running/sport etc.),
-high-quality leather for accessories manufacturing.
The technology can be adapted to the specific needs/tasks and production requirements
The developers have a significant experience in developing and implementing the technologies for leather manufacturing. They are looking for industrial partners for a licensing agreement, and research centres/laboratories for further development of the technology through a research cooperation agreement or technical co-operation agreement

Advantages and Innovations

Half-finished products can be reprocessed.
The different types of leather can be produced, such as:
-elastic leather (furniture),
-hydrophobic leather (military/working shoes),
-leather for special purposes (belt/harness leather)
The technology is characterized by high ecological compatibility and low production costs of half-finished products.
They are 30% cheaper than similar products existing on the EU market.

Stage of Development

Already on the market

IPR Status

Patents granted

Comment Regarding IPR status

Patents of Ukraine

Profile Origin

National or Regional R&D programme

Keywords

Technology

02007020	Biobased materials
03004006	Organic Substances
03006003	Tanned leather process/ Leather Technology

Market

08001016	Commodity chemicals and polymers
08005	Other Industrial Products (not elsewhere classified)

NACE

M.72.1.9	Other research and experimental development on natural sciences and engineering
P.85.4.2	Tertiary education

Network Contact

Issuing Partner

ASTER - SOCIETA CONSORTILE PER AZIONI

Contact Person

Giulia Basilici

Phone Number

+39 51 6398099

Email

giulia.basilici@aster.it

Open for EOI : Yes

Dissemination

Send to Sector Group

Bio Chem Tech

Client

Type and Size of Organisation Behind the Profile

University

Year Established

1930

Already Engaged in Trans-National Cooperation

No.

Languages Spoken

English
Russian

Client Country

Ukraine

Partner Sought

Type and Role of Partner Sought

Type of partner sought: Industry, University, R&D centre/ Laboratory
Specific area of activity of the partner:
-leather/fur manufacturing,
-research in the field of colloid chemistry
Task to be performed by the partner sought:
-licensing,
-further development and joint implementation in new markets under a technical cooperation agreement,
-study of colloid-chemical processes related to the animal skin/rawhide processing

Type and Size of Partner Sought

SME 11-50,University,R&D Institution,SME 51-250

Type of Partnership Considered

License agreement
Technical cooperation agreement
Research cooperation agreement

Attachments

Technology Request

Technology to transfect DNA into cells in vivo without viral vectors

Summary

A Belgian company is looking for a new method / product to transfect plasmid DNA into eukaryotic cells in vivo (in animals / human) without the use of viral vectors or apparatus. The method should work in muscle cells and other tissues. The company is able to perform research & development if the development is not finalized. Different kind of agreements; commercial agreement with technical support, license agreement or research agreement, can be considered depending on the level of developme

Creation Date	14 August 2017
Last Update	18 September 2017
Expiration Date	18 September 2018
Reference	TRBE20170814001

Details

Description

The aim of the method / product is to transfect plasmid DNA into cells in vivo and especially in muscle cells without the use of viral vectors and without using a specific apparatus (as an electroporator). The product can be a recombinant protein, chemical product... It should not be toxic since it is planned to use it in vivo (including humans). Production costs should be reduced in order to be competitive compared to the production of viral vectors. The method should be compatible with usual method of injections. If development is not finalized, the company can perform additional tests and R&D (alone or in collaboration). Commercial agreement with technical support, license agreement or research agreement can be considered.

Technical Specification or Expertise Sought

Expertise / knowledge in production of small quantities of the product is sought.
Patent, patent pending or possibility to file a patent to cover the product / method is also sought.

Keywords

Technology

06001009	Gene - DNA Therapy
06001019	Stem cell Technologies
06002001	Biochemistry / Biophysics
06002002	Cellular and Molecular Biology

06004	Micro- and Nanotechnology related to Biological sciences

Market

04001003	Medical genetic engineering applications
04005	Biochemistry / Biophysics
04006	Cellular and Molecular Biology
04008	Genetic Engineering
04017	Micro- and Nanotechnology related to Biological sciences

NACE

M.72.1.1	Research and experimental development on biotechnology

Network Contact

Issuing Partner

ASTER - SOCIETA CONSORTILE PER AZIONI

Contact Person

Giulia Basilici

Phone Number

+39 51 6398099

Email

giulia.basilici@aster.it

Open for EOI : Yes

Dissemination

Send to Sector Group

Bio Chem Tech

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
French

Client Country

Belgium

Partner Sought

Type and Role of Partner Sought

Academic partner or research organization is sought. The partner could be able to provide first proof of concept and help in the development / industrial production.

Type of Partnership Considered

License agreement
Commercial agreement with technical assistance
Research cooperation agreement

Attachments

UK-based SME seeks diagnostic test development expertise to develop its novel fluorescent compounds for diagnostic applications.

Summary

A UK-based SME has developed intrinsically fluorescent derivatives of retinoid cell signalling molecules. Having developed these compounds for cell imaging the company is looking at other applications including diagnostic testing. The SME is looking to partner with companies and research organisations experienced in developing diagnostic tests and / or devices to explore this application further. Partnerships are envisaged as joint ventures, research cooperations or technical cooperations.

Creation Date	05 June 2017
Last Update	06 June 2017
Expiration Date	06 June 2018
Reference	TRUK20170605001

Details

Description

Cell signalling molecules are involved in a wide variety of cell processes making them and their signalling pathways of interest for the diagnosis of diseases arising from changes in cell processes such as cancer. Retinoids are an important group of such cell signalling molecules.

A UK-based SME has developed a library of retinoid derivatives that exhibit strong intrinsic fluorescence, whilst retaining the biological activity of the original molecule. The company has had success in developing and using these compounds for cell imaging applications and is now looking at other potential uses of the technology. They are interested in exploring the potential of these compounds as an indicator agent in diagnostic medical devices with the focus on conditions associated with changes in cell processes regulated by retinoids, particularly proliferation, differentiation and apoptosis making cancer an obvious first choice target.

The SME is looking for companies or research organisation active in the development of new diagnostic tests and especially diagnostic devices to provide expertise for exploring the potential of the SME's fluorescent retinoid derivatives as an active or reporter agent in diagnostic tests. It is envisaged that the partnership will take the form of a joint venture agreement, research cooperation agreement or a technical cooperation agreement.

Technical Specification or Expertise Sought

Expertise in developing diagnostic tests and in particular the incorporation of these tests into diagnostic devices.

Experience of working with novel compounds and developing for different applications.

Knowledge of the medical and diagnostic devices regulatory requirements in different geographies and what is required for registration of a new test.

Keywords

Technology

06002004	Protein Engineering
06002009	Molecular design

Market

05001001	Diagnostic services
05001002	In-vitro diagnostics

NACE

M.72.1.1	Research and experimental development on biotechnology
M.72.1.9	Other research and experimental development on natural sciences and engineering

Network Contact

Issuing Partner

ASTER - SOCIETA CONSORTILE PER AZIONI

Contact Person

Giulia Basilici

Phone Number

+39 51 6398099

Email

giulia.basilici@aster.it

Open for EOI : Yes

Dissemination

Send to Sector Group

Bio Chem Tech

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 UK SME is looking to partner with companies and research organisations that are working on the development of new diagnostic tests particularly in the field of cancer. Partners with experience of developing tests for diagnostic devices or devices themselves are particularly sought.
The UK SME will provide its library of fluorescent retinoid derivatives as well as its expertise on developing these derivatives in order to optimise and potentially develop new compounds for diagnostic tests. The company will work with a partner to explore the potential for the SME's fluorescent retinoid derivatives to be used as the basis for diagnostic tests. It is envisaged that the partnership will take the form of a joint venture agreement, a research cooperation agreement or a technical cooperation agreement.

Type of Partnership Considered

Technical cooperation agreement
Joint venture agreement
Research cooperation agreement

Attachments