

Enterprise Europe Network – EEN

EEN 協業リクエスト データベース

The screenshot shows the EEN Partnering Opportunities search interface. At the top, there are links for 'Search', 'Sign in', and 'Help'. Below this is a search bar with a 'Search' button. To the right of the search bar are radio buttons for 'Any word' and 'All words', and a '検索開始' (Start Search) button. Below the search bar is a 'Compact View' dropdown menu. The main content area is divided into three sections: 'Profile type(s)', 'Profile country of origin', and 'Client requested:'. Each section has a list of options with checkboxes. The 'Profile type(s)' section includes Business Offer, Business Request, Research & Development Request, Technology Offer, and Technology Request. The 'Profile country of origin' and 'Client requested:' sections include Albania, Argentina, Armenia, Austria, Belarus, Belgium, Bosnia and Herzegovina, Brazil, and Bulgaaria. Red callout boxes provide Japanese instructions for each section.

Search Sign in Help

Partnering Opportunities

任意のキーワードで
案件の検索ができます

Search: [input] Any word All words 検索開始

Compact View Search

プロフィールのタイプ

- ◆ Business Offer:
製品やサービスを輸出したい
・販売代理店を探している
- ◆ Business Request:
製品やサービスを輸入したい
・サプライヤーを探している
- ◆ Technology Offer:
開発した技術をライセンス供
与や販売を通じて他者に提供
したい
- Technology Request: 製品化
・実用化に向けて欠けている
技術を他者から提供してほし
い

Profile type(s):

- Business Offer
- Business Request
- Research & Development Request
- Technology Offer
- Technology Request

Profile country of origin:

- Albania
- Argentina
- Armenia
- Austria
- Belarus
- Belgium
- Bosnia and Herzegovina
- Brazil
- Bulgaaria

プロフィールを
発信する当事者の国

Client requested:

- Albania
- Argentina
- Armenia
- Austria
- Belarus
- Belgium
- Bosnia and Herzegovina
- Brazil
- Bulgaaria

パートナーとして
希望されている対象と
なる国

国名をShift, Ctrlを押しながら
クリックすると複数選択が可能

Enterprise Europe Network – EEN データベース 検索例

Partnering Opportunities

Search: Any word All words

Compact View

Profile type(s):

- Business Offer
- Business Request
- Research & Development Request
- Technology Offer
- Technology Request

Profile country of origin:

- Finland
- France
- Georgia
- Germany
- Greece
- Hungary
- Iceland
- India
- Indonesia

Client requested:

- Albania
- Argentina
- Armenia
- Austria
- Belarus
- Belgium
- Bosnia and Herzegovina
- Brazil
- Bulgaria

【検索条件】

キーワード： Battery Material
協業リクエスト発行国： France / Germany

We found 6 record(s) for your query.

Last Modified:

[A week ago](#)
[A month ago](#)
[A quarter ago](#)
[A year ago](#)

Sort by:

Default

Title of Profile	Country	Type	Publish Date
Activation unit for increased performance of reaction electrodes, solid-state storage devices and membranes in metal-air ...	Germany	Tech. Offer	2018-07-12
24 hour solar electric energy without conventional battery	Germany	Tech. Offer	2018-07-03
Developer and manufacturer of open-cell hybrid metal foams is looking for use cases and industry partners to refine the ...	Germany	Tech. Offer	2018-10-16
Electric bicycle trailers for green and efficient last mile transport in urban areas	Germany	Tech. Offer	2018-10-22
Industrial partners requiring material reinforcement or energy density enhancement of lithium-ion batteries for ...	France	Bus. Offer	2019-02-08
German SME specialized in manufacturing wire bending parts and torsion springs offers manufacturing and subcontracting ...	Germany	Bus. Offer	2019-03-01

検索結果

Enterprise Europe Network – EEN

データベース 検索例

関心のある案件が見つかったら
タイトルをクリック

We found 6 record(s) for your query.

Last Modified:
A week ago
A month ago
A quarter ago
A year ago

Sort by:
Default

Title of Profile	Country	Type	Publish Date
Activation unit for increased performance of reaction electrodes, solid-state storage devices and membranes in metal-air ...	Germany	Tech. Offer	2018-07-12
24 hour solar electric energy without conventional battery	Germany	Tech. Offer	2018-07-03

プロフィールへの問合せに
必要なリファレンス番号

プロフィールの詳細を閲覧できます

Profile View

Activation unit for increased performance of reaction electrodes, solid-state storage devices and membranes in metal-air batteries

If you would like more information about the profile please click **Request More Information**. You will be directed to a new page where you will need to provide some information about yourself/your business cooperation needs and submit your expression of interest in the profile. A Network Partner will then contact you to discuss your interest in greater detail.

Close Request More Information

Details

Title: Activation unit for increased performance of reaction electrodes, solid-state storage devices and membranes in metal-air batteries

POD Reference: **TODE20180601002**

Summary:

A German research institution is developing an activation unit to improve the performance of solid state energy storage devices. An industrial partner from battery manufacturing, fuel cell manufacturing, or supplier in the electromobility sector is sought for licensing, transfer of rights, and/or R&D collaboration for prototyping.

Description:

Metal-air batteries are a new battery type with a theoretical storage capacity up to a hundred times higher compared to Li-ion batteries.

A major practical obstacle is the currently achievable low number of charge-discharge cycles due to irreversible recombination of charge carriers with the microporous cathode materials, blockage of cathode material by discharge products, and corrosion by aggressive oxygen species. The aforementioned problems have not yet been solved with state of the art technology, e.g. using different material combinations, electrode geometries, or catalytic coatings.

A German research group has devised the concept of an activation unit for application to electrodes and membranes in solid-state energy storage devices. With this activation unit the number of recharge-discharge cycles can be increased by an active electric, magnetic, hydraulic, pneumatic, or electro-mechanic near- or far-field control of the electrodes, charge carriers, and reaction conditions.

As shown in the figure, a conducting sensor plate gives a normalized voltage output signal depending on the current between the electrodes, since charge carriers passing the sensor plate reduce its resistance. The signal from the sensor plate is sent to a control unit, which regulates the actuation by electric, hydraulic, pneumatic, or electro-mechanic field generation. The generated actuation fields can affect the properties of the electrolyte, e.g. conductivity, phase transitions, or the electrode reactions, thereby mobilizing recombined charge carriers and/or reducing or avoiding blockage of the electrode.

The consequences are higher cycle number (increased lifetime), enhanced operation dynamics, and improved safety.

This technology could be applied by battery manufacturers and suppliers, especially in the electromobility sector; fuel cell manufacturing, and in microporous energy storage solutions. Partners from these sectors could benefit from a transfer of rights of the existing IP (patent pending), licensing, or especially a R&D collaboration to refine the technology into a prototype.

Advantages and Innovations:

The following improvements can be made to metal-air batteries and other solid state energy storage devices by integrating an activation unit:

- Higher cycle number, leading to a longer lifetime and a better usage of storage capacity.
- Enhanced operation dynamics by stationary and impulse actuation, which enables transient increase of power density, alleviation of overload, and size reduction of the battery.
- Better safety by more rapid battery shutdown in case of overheating or other emergencies.

Stage of Development:

Under development/lab tested

IPR status::

Patent(s) applied for but not yet granted

Profile Origin:

National or Regional R&D programme

Enterprise Europe Network – EEN 日本向けのプロフィールをピックアップ

Home > 英国企業は、太陽光発電ガラスにより統一されたガラス建築を提供しています。



英国企業は、太陽光発電ガラスにより統一されたガラス建築を提供しています。

View Edit

7 January, 2019

Country of origin:

英国

Sector/Main field of activity:

クリーンテック&環境

EEN profile reference:

TOUK20190118001

Type of request:

OFFER

Type of Partnership:

Business

Partnership type sought:

技術支援を含めた商業的契約

技術協力

受賞経験のある英国・ケンブリッジの企業は、透明な太陽光発電ガラスの製造と開発、カーテンウォール装飾、トップライト、手すり、天蓋と構造物へのガラスの応用に携わっています。同社は、薄膜太陽電池と建設手法の開発者および使用者との技術協力、製造、商業契約での協業を望んでいます。

詳細は添付のPDFファイルをご覧ください。

enterprise europe network

Partnering Opportunity

Profile Status: Published

Technology Offer

Transparent Building Integrated Photovoltaic Glazing (BIPV)

Summary

An award-winning Cambridge (UK) based company develops and produces transparent photovoltaic glass and glazing solutions for applications in building curtain wall facades, skylights, balustrades, canopies and structures. Developers and users of thin film photovoltaics and construction methods are sought for technical co-operation, manufacturing or commercial agreements with technical assistance.

Creation Date 18 January 2019
Last Update 21 January 2019
Expiration Date 22 January 2020
Reference TOUK20190118001
Public Link <https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/f5d91cb0b-aaf9-4b53-bf1a-6a59c35dcb0>

Details

EU開催イベント

07.05.2019 - 09:00

BIONNALE 2019

詳細

詳細

お問い合わせ

ヨーロッパにおけるビジネス、市場、技術移転等について



EEN-Japan websiteでは日本でのビジネスパートナーシップを探している
欧州企業のプロフィールをピックアップ、簡単な日本語ページを作成しています。

<https://www.een-japan.eu/eu-profile/>