

EXAMPLE 36. 1: Same patent on different platforms highlighting Derwent and SciVal

EXAMPLE: Tsinghua (Qinghua) University Derwent WOS platform from WIPO Records

CN10347460-A; **WO2015024479-A**

Method for preparing composite membrane for use in lithium ion battery,...

Assignee: UNIV QINGHUA,JIANGSU EAST CHINA LITHIUM ELECTRICITY;LI-ION BATTERY CO LTD;JIANGSU HUADONG

[NOTE: Qinghua is the Chinese name for Tsinghua. Some records use the Chinese name and some the English name and some both!]

Inventor(s): Cao, J.; He,X.; Li,J.; et al.

Derwent Primary Accession Number: 2014-D69121

Citing Patents: 6 Patents Cited by Examiner 6 Articles Cited by Examiner: 3

[NOTE: The Patent Guide explains that “patent citations are provided not only by the applicant but also by the examiners who are reviewing the application in the various country patent offices.”]

International Patent Classification

Derwent Class codes; See the Derwent [manuals](#)

Patent application and publication dates: [**NOTE:** Tsinghua applied for the patent in China in August 2013; It was published in WIPO in February 2015.]

Designated States: countries where the patent is recognized

Records may include diagrams

From Derwent WOS:

Method for preparing composite membrane for use in lithium ion battery, involves preparing nano sol solution. Mixing nano sol solution with silane coupling agent and methyl methacrylate, and adding mixture with initiator		
Patent Number(s): CN103474601-A; WO2015024479-A1		
Inventor(s): CAO J, HEX X, LI J, SHANG Y, WANG L, YANG J, ZHAO P		
Patent Assignee Name(s) and Code(s): UNIV QINGHUA(UYQI-C) JIANGSU EAST CHINA LITHIUM ELECTRICITY (JIAN-Non-standard) LI-ION BATTERY CO LTD JIANGSU HUADONG (LIIO-Non-standard)		
Derwent Primary Accession Number: 2014-D69121		
Citing Patents: 6	Patents Cited by Examiner: 6	Articles Cited by Examiner: 3
Abstract: NOVELTY - A composite membrane preparing method involves preparing nano sol solution. The nano sol solution is mixed with silane coupling agent containing C=C radical and methyl methacrylate to form mixture-I, which is added with initiator, methyl methacrylate and silane coupling agent to form a polymer, followed by performing silane coupling agent and nano-sol-gel condensation reaction polymerization, forming sol adhesive on the polymethyl methacrylate substrate, and forming an inorganic-organic hybrid polymer graft. The polymer graft, vinylidene fluoride and hexafluoropropylene copolymer are mixed.		
USE - Method for preparing composite membrane for use in lithium ion battery (claimed).		

Articles cited:

Citing Patent	Category Code	Cited Articles
CN103474601-A	X	JIANG CAO ET AL.: "《In situ prepared nano-crystalline TiO2–poly(methyl methacrylate) hybrid enhanced composite polymer electrolyte for Li-ion batteries》"; 《JOURNAL OF MATERIALS CHEMISTRY A》," vol. 1, no. 19, 7 March 2013 (2013-03-07), pages 5956 - 5958 JIANG CAO ET AL.: "《In situ prepared nano-crystalline TiO2–poly(methyl methacrylate) hybrid enhanced composite polymer electrolyte for Li-ion batteries》"; 《JOURNAL OF MATERIALS CHEMISTRY A》," vol. 1, no. 19, 7 March 2013 (2013-03-07), pages 5956 - 5958
WO2015024479-A1	X	CAO, JIANG ET AL.: "In Situ Prepared Nano-Crystalline TiO2-Poly (Methyl Methacrylate) Hybrid Enhanced Composite Polymer Electrolyte for Li-Ion Batteries", J. MATER. CHEM. A, vol. 1, no. 19, 7 March 2013 (2013-03-07), pages 5956 - 5958
	XP	CAO, JIANG ET AL.: "Dispersibility of Nano-TiO2 on Performance of Composite Polymer Electrolytes for Li-Ion Batteries", ELECTROCHIMICA ACTA, vol. 111, 23 August 2013 (2013-08-23), pages 674 - 679

EXAMPLE: SciVal connecting to EPO

PATENT TITLE: COMPOSITE MEMBRANE AND PREPARATION METHOD THEREOF, AND LITHIUM ION BATTERY [**NOTE:** Translation different from Derwent]

AUTHORS: Yang, Juping; Zhao, Peng; Li, Jianjun; Shang,Cao, Jiang

ASSIGNEE: Tsinghua University

DATE and SOURCE: 2015 WIPO

CONNECTING URL from European Patent Office (EPO)

[EPO Record](#) – WIPO Number WO2015024479(A-1)

WO2015024479 (A1)
Bibliographic data
Description
Claims
Mosaics
Original document
Cited documents
Citing documents
INPADOC legal status
INPADOC patent family

Bibliographic data: WO2015024479 (A1) — 2015-02-26

★ In my patents list ✎ EP Register 📄 Report data error

🖨 Print

COMPOSITE MEMBRANE AND PREPARATION METHOD THEREOF, AND LITHIUM ION BATTERY

Page bookmark [WO2015024479 \(A1\) - COMPOSITE MEMBRANE AND PREPARATION METHOD THEREOF, AND LITHIUM ION BATTERY](#)

Inventor(s): CAO JIANG [CN]; HE XIANGMING [CN]; WANG LI [CN]; SHANG YUMING [CN]; LI JIANJUN [CN]; ZHAO PENG [CN]; YANG JUPING [CN] ±

5024479-A1

Applicant(s): JIANGSU HUADONG INST OF LI ION BATTERY CO LTD [CN]; UNIV TSINGHUA [CN] ±

Classification: - international: **H01M2/16**

- cooperative: **C08J7/047; H01M2/145; H01M2/1666; H01M2/1686; C08J2323/02; C08J2427/16; C08J2427/20; C08J2451/06; H01M10/0525; H01M2300/0088**

Application number: WO2014CN84463 20140815 ⓘ [Global Dossier](#)

Priority number(s): [CN20131372653](#) [20130823](#)

Also published as: 📄 [CN103474601 \(A\)](#)

Abstract of WO2015024479 (A1)

FROM SciVal Patent-Cited Scholarly output for the sample patent:

Title	Authors	Year	Scopus Source	Citations ↓
In situ prepared nano-crystalline TiO ₂ -poly(methyl methacrylate) hybrid enhanced composite polymer electrolyte for Li-ion batteries	Cao, J., Wang, L., He, X. and 8 more	2013	Journal of Materials Chemistry A	48
View abstract View in Scopus				

Journal Article in SCOPUS

Cao, J., Wang, L. He, X. et al (2013). In situ prepared nano-crystalline TiO₂-poly(methyl....*Journal of Materials Chemistry A*. 1 (19), pp;5955-5961.

SAME RECORD IN OTHER FREE PATENT SOURCES:

[Google Patents](#). Some information is in Chinese and it uses a different patent number for the Chinese filing which is the same as the one used by WIPO

Patent Lens now the [Lens](#). Clicking on [Cited works](#) takes me to the “In Situ “ article above and presents the patent citations (6), scholarly citations (50) and references from the article (44). It shows the number of times each scholarly citations or references is cited in a patent.

World International Property Organization - [WIPO PATENTSCOPE](#) : The records use machine translations. Bibliographic links are not included. Includes PCT patents and is the source for the Reuters Innovation indexes.

European Patent Office - [Espacenet](#) : The record includes several different filing numbers. It has clear links to cited and citing documents.

US Patent and Trademark Office: [USPTO](#) is by far the most primitive search engine. Although there were 63 records for Tsinghua patents for lithium ion battery none matched our example