

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT5660158

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the APPLICATION NUMBER previously recorded on Reel 049953 Frame 0907. Assignor(s) hereby confirms the ASSIGNMENT.
CONVEYING PARTY DATA	
Name	Execution Date
TOHOKU MURATA MANUFACTURING CO., LTD	01/25/2019
RECEIVING PARTY DATA	
Name:	MURATA MANUFACTURING CO., LTD.
Street Address:	10-1, HIGASHIKOTARI 1-CHOME,
Internal Address:	NAGAOAKAKYO-SHI
City:	KYOTO
State/Country:	JAPAN
Postal Code:	617-8555
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16072242
CORRESPONDENCE DATA	
Fax Number:	(703)836-7419
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	7038366620
Email:	lisa.martin@bipc.com
Correspondent Name:	BUCHANAN INGERSOLL & ROONEY PC
Address Line 1:	1737 KING STREET
Address Line 2:	SUITE 500
Address Line 4:	ALEXANDRIA, VIRGINIA 22314
ATTORNEY DOCKET NUMBER:	1022492-000034
NAME OF SUBMITTER:	LISA M. MARTIN
SIGNATURE:	/Lisa M. Martin/
DATE SIGNED:	08/08/2019
Total Attachments: 9	
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UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

AUGUST 6, 2019

PTAS

BUCHANAN INGERSOLL & ROONEY PC
1737 KING STREET
SUITE 500
ALEXANDRIA, VA 22314

505605004

UNITED STATES PATENT AND TRADEMARK OFFICE
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RECORDATION DATE: 08/05/2019

REEL/FRAME: 049953/0907
NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: 1022942-000034

ASSIGNOR:

TOHOKU MURATA MANUFACTURING CO., LTD DOC DATE: 01/25/2019

ASSIGNEE:

MURATA MANUFACTURING CO., LTD.
10-1, HIGASHIKOTARI 1-CHOME,
NAGAOKAKYO-SHI
KYOTO, JAPAN 617-8555

APPLICATION NUMBER: ~~1-6313284~~ 16072242 FILING DATE:

PATENT NUMBER: ISSUE DATE:

TITLE: CARBON-COATED ACTIVE PARTICLES AND PROCESSES FOR THEIR
PREPARATION

ASSIGNMENT RECORDATION BRANCH
PUBLIC RECORDS DIVISION



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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1

Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TOHOKU MURATA MANUFACTURING CO., LTD	01/25/2019
RECEIVING PARTY DATA	
Name:	MURATA MANUFACTURING CO., LTD.
Street Address:	10-1, HIGASHIKOTARI 1-CHOME, NAGAOKAKYO-SHI
City:	KYOTO
State/Country:	JAPAN
Postal Code:	617-8555

PATENT

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16313284 <u>16072242</u>

CORRESPONDENCE DATA**Fax Number:** (703)836-7419**Email:** denise.williams@bipc.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Correspondent Name: BUCHANAN INGERSOLL & ROONEY
PC

Address Line 1: 1737 KING STREET**Address Line 2:** SUITE 500**Address Line 4:** ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	1022942-000034
NAME OF SUBMITTER:	DENISE WILLIAMS
Signature:	/Denise Williams/
Date:	08/05/2019

Total Attachments: 5

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PATENT

RECEIPT INFORMATION**EPAS ID:** PAT5651805**Receipt Date:** 08/05/2019

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PATENT

ROBIC, MONTRÉAL, CANADA

USA-CANADA-WORLDWIDE
CANADA-ÉTATS-UNIS-MONDIALE

CESSION / ASSIGNMENT

Les soussignés (le soussigné):

The undersigned:

TOHOKU MURATA MANUFACTURING CO., LTD

dont les adresses complètes sont (l'adresse
complète est):

whose full postal addresses are (address is):

1-1 Shimosugishita, Takakura, Hiwada-machi, Koriyama-shi, Fukushima, JAPAN

En contrepartie de bonne et valable
considération dont réception est accusée et
quittance donnée pour autant en faveur de:

In consideration of good and valuable
considerations the receipt of which is
acknowledged and release is given in favour
of:

MURATA MANUFACTURING CO., LTD.

(ci-après appelé cessionnaire)

(hereinafter referred to as the assignee)

dont l'adresse postale complète est:

whose full postal address is:

10-1, Higashikotari 1-chome, Nagaokakyo-shi, Kyoto 617-8555 JAPAN

vendons, cédon et/ou transférons (vends,
cède et/ou transfère) et/ou confirmons
(confirme) la vente, la cession et/ou le transfert
par les présentes, audit cessionnaire, tout notre
(mon) intérêt au Canada, aux États-Unis et
partout ailleurs à travers le monde, dans et à
l'invention (aux inventions) telle(s) que
décrite(s) en détail et/ou revendiquée(s) :

do hereby sell, assign and/or transfer and/or
confirm such sale, assignment and/or transfer
to the said assignee all our (my) right, title and
interest in the United States, Canada and
everywhere else throughout the world, in and
to the invention(s) as fully described and/or
claimed:

-dans les demandes de brevet et/ou brevets
identifiés à l'**ANNEXE A** jointe aux présentes
(collectivement les « Brevets »).

-in the patent applications and/or patents
identified in **SCHEDULE A** attached hereto
(collectively the "Patents").

et tous nos (mes) droits, titres et intérêts
correspondants dans et à tout brevets qui
peuvent en découler au Canada, aux États-Unis
ou ailleurs.

and to all our (my) corresponding rights, titles
and interests in and to any patents which may
issue therefore in the United States, Canada or
elsewhere throughout the world.

Nous nous engageons (je m'engage) également
à signer tous les documents et formulaires qui
pourraient s'avérer nécessaires pour déposer
d'autres demandes au Canada, aux États-Unis
et ailleurs dans le monde sur cette (ces)
invention(s) ou sur toute(s) invention(s)
décrite(s) dans les demandes et/ou brevets, au
nom du cessionnaire.

We (I) further agree to execute all the Forms
and papers that may be necessary to file other
applications in the United States, Canada and
everywhere else throughout the world, on the
above invention(s) or any invention(s)
described in said application(s) and/or
patent(s), in the name of the Assignee.

Nous nous engageons (je m'engage) aussi à communiquer au cessionnaire ou ses représentants tous faits concernant cette (ces) invention(s) et dont nous avons (j'ai) connaissance; à faire toute déclaration nécessaire, et de façon générale à faire tout ce qui est possible pour aider le cessionnaire, son (ses) successeur(s) et cessionnaire(s), à obtenir et mettre en oeuvre la protection appropriée pour ladite (lesdites) invention(s) au Canada, aux États-Unis et partout à travers le monde.

Nous donnons (je donne) le pouvoir à la firme ROBIC, 1001, Square Victoria - Bloc E - 8^{ème} Étage, Montréal, Québec, CANADA, H2Z 2B7, d'insérer d'autres informations, telles la date d'exécution, ou le numéro de la (des) demande(s) et la date de dépôt de la (des) demande(s) lorsque ces informations seront connues.

En cas de contradiction entre la version française et anglaise des présentes, le sens qui convient le plus à la matière des présentes doit être celui applicable. Les termes susceptibles de deux sens doivent également être pris dans le sens qui convient le plus à la matière des présentes.

Signatures sur la page suivante.

We (I) also agree to communicate to the Assignee or his representatives any facts known to us (me) respecting said invention(s), make all rightful oaths and generally do everything possible to aid said Assignee, its (his) successors and assignees, to obtain and enforce proper protection for said invention(s) in the United States, Canada and everywhere else throughout the world.

The undersigned hereby grant(s) the firm ROBIC, 1001, Victoria Square - Bloc E - 8th Floor, Montreal, Quebec, CANADA, H2Z 2B7, the power to insert further identification such as the execution date, or the application number(s) and the filing date of the application(s) when known.

In case of contradiction between the English and French versions, the meaning that best conforms to the subject matter of this agreement shall apply. Words susceptible of two meanings shall also be given the meaning that best conforms to the subject matter of this agreement.

Signatures on the following page.

SIGNÉ à/
SIGNED at Koriyama Fukushima JAPAN
(Ville/City) (Province) (Pays/Country)

Ce/
This 25 jour de/
day of 1 2019
(jour/day) (mois/month) (année/year)

TÉMOIN / WITNESS

TOHOKU MURATA
MANUFACTURING CO., LTD

Hiroshi Kawamura
Signature
Hiroshi Kawamura
Nom complet/Full name

辻 勲
Atsushi Tsuji
General Manager, Administration
Department

LU ET APPROUVÉ / READ AND APPROVED

SIGNÉ à/
SIGNED at Nagaokakyo Kyoto JAPAN
(Ville/City) (Province) (Pays/Country)

Ce/
This 7 jour de/
day of 2 2019
(jour/day) (mois/month) (année/year)

Par/By: MURATA MANUFACTURING CO., LTD.

Yutaka Tada
Yutaka Tada
Vice President

ANNEXE A / SCHEDULE A

Title	CORE-SHELL ELECTRODE MATERIAL PARTICLES AND THEIR USE IN ELECTROCHEMICAL CELLS			
ROBIC Ref.	Country	Application Number / Date	Priority	Registration Number / Date
017654-0001	UNITED STATES	62/286.787 25-01-2016		
016164-0242	INTERNATIONAL PCT	PCT/CA2017/050075 25-01-2017	62/286.787 25-01-2016	
016164-0243	CANADA	3.009.391 25-01-2017	62/286.787 25-01-2016	
016164-0244	CHINA	2017 8000 7933.5 25-01-2017	62/286.787 25-01-2016	
016164-0245	REPUBLIC OF KOREA	10-2015-7023685 25-01-2017	62/286.787 25-01-2016	
016164-0246	UNITED STATES	16/072.242 25-01-2017	62/286.787 25-01-2016	
016164-0247	EUROPE	17 743 517.9 25-01-2017	62/286.787 25-01-2016	
016164-0248	INDIA	201617023305 25-01-2017	62/286.787 25-01-2016	
016164-0249	JAPAN	2016-538585 25-01-2017	62/286.787 25-01-2016	

Title	CARBON-COATED ACTIVE PARTICLES AND PROCESSES FOR THEIR PREPARATION			
ROBIC Ref.	Country	Application Number / Date	Priority	Registration Number / Date
016164-0251	UNITED STATES	15/199.313 30-06-2016		
016164-0252	INTERNATIONAL PCT	PCT/CA2017/050797 30-06-2017	15/199.313 30-06-2016	

Title	ELECTRODE MATERIALS AND PROCESSES FOR THEIR PREPARATION			
ROBIC Ref.	Country	Application Number / Date	Priority	Registration Number / Date
017915-0002	UNITED STATES	62/356.952 30-06-2016		
017915-0003	UNITED STATES	62/436.718 20-12-2016		
016164-0253	INTERNATIONAL PCT	PCT/CA2017/050801 30-06-2017	62/356.952 30-06-2016 62/436.718 20-12-2016	

ROBIC : 016164-0182 (General transfer file)

Title	ELECTRODE MATERIALS AND PROCESSES FOR THEIR PREPARATION			
ROBIC Ref.	Country	Application no. / Date	Priority	Registration No. / Date
018001-0001	UNITED STATES	62/459,309 15-02-2017		
016164-0256	INTERNATIONAL PCT	PCT/CA2018/050172 15-02-2018	62/459,309 15-02-2017	

Title	SALTS FOR USE IN ELECTROLYTE COMPOSITIONS OR AS ELECTRODE ADDITIVE			
ROBIC Ref.	Country	Application Number / Date	Priority	Registration Number / Date
018320-0001	UNITED STATES	62/477,161 27-03-2017		
016164-0263	INTERNATIONAL PCT	PCT/CA2018/050379 27-03-2018	62/477,161 27-03-2017	

Title	POLYMERS COMPRISING IMIDAZOLE DERIVATIVES AND THEIR USE IN ELECTROCHEMICAL CELLS			
ROBIC Ref.	Country	Application Number / Date	Priority	Registration Number / Date
016164-0264	UNITED STATES	62/529,146 06-07-2017		
016164-0265	INTERNATIONAL PCT	PCT/CA2018/050830 06-07-2018	62/529,146 06-07-2017	

ROBIC : 016164-0182 (General transfer file)