PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5489459

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YOSHIHIRO GOTO	04/16/2019
AKIRA MORIKAWA	04/16/2019
MASAHIDE MIURA	04/20/2019
NOBUYUKI TAKAGI	04/20/2019

RECEIVING PARTY DATA

Name:	TOYOTA JIDOSHA KABUSHIKI KAISHA
Street Address:	1, TOYOTA-CHO
City:	TOYOTA-SHI, AICHI-KEN
State/Country:	JAPAN
Postal Code:	471-8571

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16392800

CORRESPONDENCE DATA

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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ATTORNEY DOCKET NUMBER:	73268-137
NAME OF SUBMITTER:	GARRETT V. DAVIS
SIGNATURE:	/Garrett V. Davis/
DATE SIGNED:	04/24/2019

Total Attachments: 4

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PATENT REEL: 048978 FRAME: 0934

ASSIGNMENT – U.S. Application

WHEREAS,

- 1. <u>Yoshihiro GOTO</u>, residing at <u>Nagakute-shi</u>, <u>Aichi</u>, <u>JAPAN</u>, having a place of business at <u>Kabushiki</u> <u>Kaisha Toyota Chuo Kenkyusho</u>, 41-1, <u>Yokomichi</u>, <u>Nagakute-shi</u>, <u>Aichi 480-1192</u>, <u>JAPAN</u>, and a citizen of <u>Japan</u>;
- 2. <u>Akira MORIKAWA</u>, residing at <u>Nagakute-shi</u>, <u>Aichi</u>, <u>JAPAN</u>, having a place of business at <u>Kabushiki Kaisha Toyota Chuo Kenkyusho</u>, 41-1, <u>Yokomichi</u>, <u>Nagakute-shi</u>, <u>Aichi 480-1192</u>, <u>JAPAN</u>, and a citizen of <u>Japan</u>;
- 3. <u>Masahide MIURA</u>, residing at <u>Toyota-shi</u>, <u>Aichi</u>, <u>JAPAN</u>, having a place of business at <u>TOYOTA JIDOSHA KABUSHIKI KAISHA</u>, 1, <u>Toyota-cho</u>, <u>Toyota-shi</u>, <u>Aichi</u>, <u>471-8571</u>, <u>Japan</u>, and a citizen of Japan;
- 4. Nobuyuki TAKAGI, residing at <u>Toyota-shi</u>, <u>Aichi</u>, <u>JAPAN</u>, having a place of business at <u>TOYOTA</u> <u>JIDOSHA KABUSHIKI KAISHA</u>, <u>1</u>, <u>Toyota-cho</u>, <u>Toyota-shi</u>, <u>Aichi</u>, <u>471-8571</u>, <u>Japan</u>, and a citizen of <u>Japan</u>;

(herein called "THE UNDERSIGNED") has made an in	nvention and has executed an application for
Letters Patent of the United States on	for this invention, which application is
entitled OXYGEN STORAGE MATERIAL AND M	IETHOD FOR PRODUCING THE SAME, and
which has been given Serial Number	; which is based on and claims priority from
Japanese Patent Application No. 2018-083062, filed A	pril 24, 2018;

AND WHEREAS <u>TOYOTA JIDOSHA KABUSHIKI KAISHA</u> (herein called "ASSIGNEE"), a corporation organized under the laws of <u>Japan</u>, and having an office and place of business at <u>1</u>, <u>Toyota-cho, Toyota-shi, Aichi-ken, 471-8571</u>, <u>Japan</u>, wishes to acquire the entire right, title and interest in and to said invention and patent application and any Letters Patent to be obtained therefor;

NOW, THEREFORE, for and in consideration of good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, THE UNDERSIGNED hereby sells, assigns and transfers to the ASSIGNEE, its successors and assigns, the entire right, title and interest for all countries in and to the invention disclosed in the aforesaid application, and in and to the said application, all divisionals, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said invention including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and THE UNDERSIGNED hereby authorizes and requests the Commissioner of Patents to issue any and all United States Letters Patent for the aforesaid invention to the ASSIGNEE of the entire right, title and interest in and to the same, for the use of the ASSIGNEE, its successors and assigns.

THE UNDERSIGNED hereby agrees that THE UNDERSIGNED, its executors and legal representatives will make, execute and deliver (without charge but at the expense of the ASSIGNEE) any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said ASSIGNEE, its successors and representatives all facts known to THE UNDERSIGNED relating to said invention and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable to vest in the ASSIGNEE,

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its successors or assigns the entire right, title and interest in and to the said invention, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

THE UNDERSIGNED represents and agrees with said ASSIGNEE its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by THE UNDERSIGNED, and that full right to convey the same as herein expressed is possessed by THE UNDERSIGNED.

The undersigned hereby grant the firm of Dickinson Wright PLLC the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

IN TESTIMONY WHEREOF, THE UNDERSIGNED has hereunto set its hand on the date indicated below.

I Yoshihiro GOTO	Signature Go to	April 16, 2019 Date
I Akira MORIKAWA	Abou Moukomar Signature	<u> lipril 16, 201</u> Date
I Masahide MIURA	Signature	Date
I Nobuyuki TAKAGI	Signature	Date

Note: No legalization or other witness required

ASSIGNMENT - U.S. Application

WHEREAS,

- 1. <u>Yoshihiro GOTO</u>, residing at <u>Nagakute-shi</u>, <u>Aichi</u>, <u>JAPAN</u>, having a place of business at <u>Kabushiki Kaisha Toyota Chuo Kenkyusho</u>, 41-1, <u>Yokomichi</u>, <u>Nagakute-shi</u>, <u>Aichi 480-1192</u>, <u>JAPAN</u>, and a citizen of <u>Japan</u>;
- 2. <u>Akira MORIKAWA</u>, residing at <u>Nagakute-shi</u>, <u>Aichi</u>, <u>JAPAN</u>, having a place of business at <u>Kabushiki Kaisha Toyota Chuo Kenkyusho</u>, 41-1, <u>Yokomichi</u>, <u>Nagakute-shi</u>, <u>Aichi 480-1192</u>, <u>JAPAN</u>, and a citizen of <u>Japan</u>;
- 3. <u>Masahide MIURA</u>, residing at <u>Toyota-shi</u>, <u>Aichi</u>, <u>JAPAN</u>, having a place of business at <u>TOYOTA</u> <u>JIDOSHA KABUSHIKI KAISHA</u>, 1, Toyota-cho, Toyota-shi, <u>Aichi</u>, <u>471-8571</u>, <u>Japan</u>, and a citizen of <u>Japan</u>;
- 4. Nobuyuki TAKAGI, residing at <u>Toyota-shi</u>, <u>Aichi</u>, <u>JAPAN</u>, having a place of business at <u>TOYOTA</u> <u>JIDOSHA KABUSHIKI KAISHA</u>, <u>1</u>, <u>Toyota-cho</u>, <u>Toyota-shi</u>, <u>Aichi</u>, <u>471-8571</u>, <u>Japan</u>, and a citizen of <u>Japan</u>;

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which has been given Serial Number	; which is based on and claims priority from
Japanese Patent Application No. 2018-083062, filed	April 24, 2018;

AND WHEREAS <u>TOYOTA JIDOSHA KABUSHIKI KAISHA</u> (herein called "ASSIGNEE"), a corporation organized under the laws of <u>Japan</u>, and having an office and place of business at <u>1</u>, <u>Toyota-cho, Toyota-shi, Aichi-ken, 471-8571</u>, <u>Japan</u>, wishes to acquire the entire right, title and interest in and to said invention and patent application and any Letters Patent to be obtained therefor;

NOW, THEREFORE, for and in consideration of good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, THE UNDERSIGNED hereby sells, assigns and transfers to the ASSIGNEE, its successors and assigns, the entire right, title and interest for all countries in and to the invention disclosed in the aforesaid application, and in and to the said application, all divisionals, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said invention including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and THE UNDERSIGNED hereby authorizes and requests the Commissioner of Patents to issue any and all United States Letters Patent for the aforesaid invention to the ASSIGNEE of the entire right, title and interest in and to the same, for the use of the ASSIGNEE, its successors and assigns.

THE UNDERSIGNED hereby agrees that THE UNDERSIGNED, its executors and legal representatives will make, execute and deliver (without charge but at the expense of the ASSIGNEE) any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said ASSIGNEE, its successors and representatives all facts known to THE UNDERSIGNED relating to said invention and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable to vest in the ASSIGNEE,

its successors or assigns the entire right, title and interest in and to the said invention, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

THE UNDERSIGNED represents and agrees with said ASSIGNEE its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by THE UNDERSIGNED, and that full right to convey the same as herein expressed is possessed by THE UNDERSIGNED.

The undersigned hereby grant the firm of Dickinson Wright PLLC the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

IN TESTIMONY WHEREOF, THE UNDERSIGNED has hereunto set its hand on the date indicated below.

I Yoshihiro GOTO			
	Signature	Date	
· I			
Akira MORIKAWA	Signature	Date	
I Masahide MIURA	marahide miura	April. 20.2019	
	Signature	Date	
I Nobuyuki TAKAGI	Nobuyubi Tabasi Signature	//wil. 20. 2019	
	Signature	Date'	

Note: No legalization or other witness required