

04-21-2005



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113268 U.S. PTO
11/105293



To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

Atsushi Nishida (03/08/2005), Mitsuhiro Arisawa (03/08/2005), Shiro Tsukamoto (03/09/2005), and

Execution Date(s): in parentheses after inventor name

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name: Japan Science and Technology Agency

Internal Address: _____

Street Address:

1-8, Honcho 4-chome
Kawaguchi-shi
Saitama
332-0012
JAPAN

City: _____

State: _____

Country: _____ Zip: _____

Additional name(s) & address(es) attached: Yes No

3. Nature of Conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other _____

4. Application or patent number(s):

A. Patent Application No.(s)
This application

This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Peter F. Corless
EDWARDS & ANGELL, LLP

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6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
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9. Signature:

Signature

April 11, 2005

Date

Peter F. Corless - 33,860

Total number of pages including cover sheet, attachments, and documents:

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I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV492345292US, in an envelope addressed to: MS Assignment Recordation Services, Director of the US Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: April 11, 2005

Signature: Susan M Oillon (Peter F. Corless)

Additional Conveying Party(ies)/Execution Date(s) (1. Continued):

Masahiko Shimoda (03/14/2005)

Additional Assignees (2. Continued):

Assignee Name: National Institute for Materials Science

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Street Address: 1-2-1, Sengen, Tsukuba-shi
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305-0047
JAPAN

City: _____ State: _____ Country: _____ Zip: _____

Assignee Name: _____

Internal Address:

Street Address:

City: _____ State: _____ Country: _____ Zip: _____

Assignee Name: _____

Internal Address:

Street Address:

City: _____ State: _____ Country: _____ Zip: _____

Additional Applications and/or Patents (4. Continued):

Additional Patent Application Numbers
4A. Continued:

Additional Patent Numbers
4B. Continued:

Additional numbers attached?

Yes

No

ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT is made by **Atsushi NISHIDA**, inventor and a citizen of Japan, **Mitsuhiro ARISAWA**, inventor and a citizen of Japan, **Shiro TSUKAMOTO**, inventor and a citizen of Japan, and **Masahiko SHIMODA**, inventor and a citizen of Japan (hereinafter referred to as Assignors), respectively;

WHEREAS, Assignors have invented certain new and useful improvements in SUBSTRATE BONDED TRANSITION METAL CATALYST AND METHOD FOR PREPARATION THEREOF, set forth in a Patent application for which an International Application was filed on October 10, 2003, PCT/JP03/013031, designating the United States; and

WHEREAS, Japan Science and Technology Agency, 1-8, Honcho 4-chome, Kawaguchi-shi, Saitama 332-0012 JAPAN and National Institute for Materials Science, 1-2-1, Sengen, Tsukuba-shi, Ibaraki 305-0047 JAPAN (hereinafter referred to as Assignees), are desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignees, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignees, for their own use and benefit and the use and benefit of their successors, legal representatives and assigns, to the

full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignees, their successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignees under law or that have already been transferred to Assignees, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignees, their successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignees, their successors, legal representatives and assigns, whenever counsel of Assignees, or counsel of their successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignees, as Assignees of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignees, their successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals 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 and Trademark Office for recordation of this document:

EDWARDS & ANGELL, LLP

All practitioners at Customer Number 21874

AND Assignors acknowledge an obligation of assignment of this invention to Assignees at the time the invention was made.

March 14, 2005

Date


Atsushi Nishida

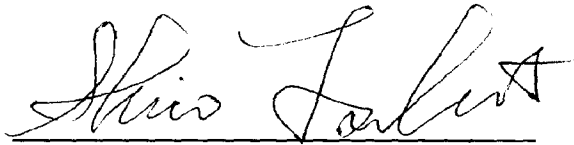
March 14, 2005

Date


Mitsuhiro Arisawa


March 14, 2005

Date


Shiro Tsukamoto

March 14, 2005


Date


Masahiko Shimoda

Witness:

March 14, 2005

Date


Name: Norio SAEKI
Patent Attorney