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Ya XU, Kyosuke KISHIDA, Masahiko DEMURA and Toshiyuki HIRANO

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Name: NATIONAL INSTITUTE FOR MATERIALS SCIENCEAddress: 2-1, Sengen 1-chome, Tsukuba-shi, Ibaraki, Japan

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☒ Assignment ☐ Merger
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4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)
10/587,940, filed August 2, 2006

B. Patent No.(s)

Additional numbers attached? No

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

Name: WENDEROTH, LIND & PONACK, L.L.P.
Attn: Michael R. Davis, Esq.Street Address: 2033 K Street, N.W., Suite 800City: Washington, State: DC ZIP: 20006-10216. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41). \$40.00☒ Enclosed (Check No. 76442)
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ATTORNEY DOCKET NO. 2006_1228A

PATENT
REEL: 018382 FRAME: 0996

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned

Insert Name(s)
of Inventor(s)

Ya XU; Kyosuke KISHIDA; Masahiko DEMURA; and Toshiyuki HIRANO

the undersigned hereby sell(s) and assign(s) to

Insert Name(s)
of Assignee(s)

NATIONAL INSTITUTE FOR MATERIALS SCIENCE

Address

of 2-1, Sengen 1-chome, Tsukuba-shi, Ibaraki, JAPAN

(hereinafter designated as the Assignee) the entire right, title and interest for the United States as defined in 35 USC 100, in the invention known as

Title of
Invention

INTERMETALLIC COMPOUND Ni_3Al CATALYST FOR REFORMING METHANOL AND
METHANOL REFORMING METHOD USING SAME

Date of Signing
of Application

for which an application for patent in the United States has been executed by the undersigned

on September 12, 2006

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of WENDEROTH, LIND & PONACK, L.L.P., 2033 K Street, N.W., Suite 800, Washington, D.C. 20006-1021, 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 recordal of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date September 12, 2006 Xuya Ya XU

Date September 12, 2006 Kyosuke Kishida Kyosuke KISHIDA

Date September 12, 2006 M. Demura Masahiko DEMURA

Date September 12, 2006 T. Hirano Toshiyuki HIRANO

(This assignment should preferably be acknowledged before a United States Consul. If not, then the execution by the Inventor(s) should be witnessed by at least two witnesses who sign here.)

Witness _____

Witness _____

ACKNOWLEDGMENT

} ss

This _____ day of _____, 20____, before me personally came the above-named

_____ to me personally known as the individual(s) who executed the foregoing assignment, who did acknowledge to me that he (they) executed the same of his (their) own free will for the purposes therein set forth.

SEAL

Official Signature

Official Title

The above application may be more particularly identified as follows:

U.S. Application Serial No. 10/587,940 Filing Date August 2, 2006

Applicant Reference Number 05-F-006US/KH Atty Docket No. 2006-1228A

Title of Invention INTERMETALLIC COMPOUND Ni₃Al CATALYST FOR REFORMING METHANOL AND METHANOL REFORMING METHOD USING SAME