

09-14-2000

To the Honorable Assistant Secretary and Con
or copy(ies) thereof.

101456867

Please record the attached original document(s)

1. Name of conveying party(ies):

(1) Nobuyuki KOGUCHI
(2) Shiro TSUKAMOTO

Name and address of receiving party(ies):

Name: Japan as Represented by Director General of
National Research Institute for MetalsAdditional name(s) of conveying party(ies) attached? NoStreet Address: 1-2-1 Sengen, Tsukuba-shi

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other ☐City: Ibaraki Country: JAPANAdditional name(s) & address(es) attached? NoExecution Date: June 26, 2000

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)

B. Patent No.(s)

09/584,092, filed May 31, 2000

Additional numbers attached? No5. Name and address of party to whom correspondence
concerning document should be mailed:Name: WENDEROTH, LIND & PONACK, L.L.P.
Attn: Matthew Jacob, Esq.Street Address: 2033 K Street, N.W., Suite 800City: Washington, State: DC ZIP: 200066. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41). \$40.00☒ Enclosed (Check No. 39393)
☐ Authorized to be charged to deposit account8. Deposit account number: 23-0975

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9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*Matthew Jacob, Reg. No. 25,154
Name of Person SigningMatthew Jacob
SignatureAugust 21, 2000
DateTotal number of pages including cover sheet: 3

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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)

Nobuyuki KOGUCHI

Shiro TSUKAMOTO

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

Insert Name(s)
of Assignee(s)

Japan as Represented by Director General of National Research

Address

of 1-2-1 Sengen, 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

METHOD OF MAKING SEMICONDUCTOR SUPER-ATOM AND AGGREGATE THEREOF

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

on June 26, 2000

Date of Signing
of Application

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, 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 June 26, 2000

Nobuyuki KOGUCHI
Nobuyuki KOGUCHI

Date June 26, 2000

Shiro TSUKAMOTO
Shiro TSUKAMOTO

Date _____

Date _____

Date _____

Date _____

(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 _____, 19____, 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. _____ Filing Date May 31, 2000

Applicant Reference Number 99-F-063US/KT Atty Docket No. 2000-0678*

Title of Invention METHOD OF MAKING SEMICONDUCTOR SUPER-ATOM AND AGGREGATE THEREOF