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Name (line 1) TSHIDA, SHINTAROU

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Name (line 1) MITSHI MINING & SMELTING COMPANY, LTD.

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PATENT
REEL: 010501 FRAME: 0216

Correspondent Name and Address

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Patent Application Number(s)

Patent Number(s)

09/447,398

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Patent Cooperation Treaty (PCT)

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1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$ 02-2275

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Charles A. Muserlian
Name of Person Signing


Signature

January 20, 2000
Date

Assignment

1-45

In Consideration of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned by the Assignee,

Mitsui Mining & Smelting Company, Ltd.

a corporation organized under the laws of Japan
receipt whereof is hereby acknowledged, the undersigned by these presents hereby sold, assigned, transferred and set over unto the said assignee the entire right, title and interest in and to the invention or improvement in AN ANODE MATERIAL FOR LITHIUM SECONDARY BATTERIES AND A LITHIUM SECONDARY BATTERY USING THE SAME

said invention being fully described and/or claimed in the application for Letters Patent of the United States of America 1) executed this date, or 2) Serial No. 09/447,398 filed November 22, 1999 in and for the United States and all foreign countries, the same to be held and enjoyed by said assignee, its successors, assigns or other legal representatives, to the full ends of the terms for which all Letters Patent therefor may be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made.

And Said Assignee is Hereby Authorized to make application for and to receive Letters Patent for said invention in any of said countries at its election.

And By This Covenant The Undersigned will execute or procure any further necessary assurance of title to said invention and Letters Patent; and at any time, upon the request and at the expense of said assignee, will execute and deliver any and all papers that may be necessary or desirable to perfect the title to said invention or any Letters Patents which may be granted therefor in said Assignee, its successors, assigns or other legal representatives, and, upon the request and at the expense of said assignee, will execute any additional or divisional applications for patents for said invention, or any part or parts thereof, and for the reissue of any Letters Patents to be granted therefor, and will make all rightful oaths and do all lawful acts requisite for procuring the same or for aiding therein, without further compensation, but at the expense of said assignee, its successors, assigns or other legal representatives.

And The Commissioner of Patents and Trademarks is Hereby Authorized and Requested to issue any and all Letters Patent of the United States for said invention to said assignee.

Dated December 17, 1999 Koichi Numata L.S.
KOICHI NUMATA

Dated _____ ~~SHINTAROU ISHIDA~~ L.S.

Dated December 17, 1999 Shintarou Ishida L.S.
SHINTAROU ISHIDA

Dated _____ L.S.

Dated _____ L.S.

Dated _____ L.S.