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To the Honorable Commissioner of Patents

▼ ▼ ▼
attached original documents or copy thereof.

1. Name of conveying party(ies):

Hitoshi ENDOU
Yoshikatsu KANAI

Name of receiving party(ies):

Name: **Japan Science and Technology Corporation**

Address: **1-8, Honcho 4-chome,**

Kawaguchi-shi, Saitama-ken

332-0012 JAPAN

Additional names(s) of conveying party(ies) Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

City: _____ State/Prov.: _____

Country: _____ ZIP: _____

Execution Date: **May 31, 2001**

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

4. Application number(s) or registration numbers(s):

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

Patent Application No.	Filing date
09/786,389	March 3, 2001

B. Patent No.(s)

Additional numbers Yes No

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

Name: **Peter F. Corless**

Registration No. **33,860**

Address: **Dike, Bronstein, Roberts & Cushman, Intellectual Property Practice Group, EDWARDS & ANGELL, LLP**

P.O. Box 9169

City: **Boston** State/Prov.: **MA**

Country: **USA** ZIP: **02209**

6. Total number of applications and patents involved: **1**

7. Total fee (37 CFR 3.41):.....\$ **40.00**

- Enclosed - Any excess or insufficiency should be credited or debited to deposit account
- Authorized to be charged to deposit account

8. Deposit account number:
04-1105

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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.

Peter F. Corless (Reg. 33,860)

July 18, 2001

Name of Person Signing

Signature

3 Date

Total number of pages including cover sheet, attachments, and

ASSIGNMENT

WHEREAS, I, Hitoshi Endou of Kanagawa-ken, Japan and I, Yoshikatsu Kanai of Tokyo, Japan, (hereinafter referred to as "Assignors"), have invented certain new and useful improvements in "NEUTRAL AMINO ACID TRANSPORTER AND GENE THEREOF", for which an application for United States Letters Patent with the same title shall be filed herewith receiving Serial No. _____, and a filing date of _____, and claims priority of Japanese Patent Application No. 10-249993/1998, filed September 3, 1998, Japanese Patent Application No. 11-248546/1999, filed September 2, 1999 and PCT/JP99/04789, filed September 3, 1999.

WHEREAS, Japan Science and Technology Corporation, located at 1-8, Honcho 4-chome, Kawaguchi-shi, Saitama-ken, 332-0012 JAPAN, (hereinafter referred to as the "Assignee"), is desirous of acquiring the entire right, title and interest in and to the same invention, and in and to the said application, and any Letters Patent that may issue thereon;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for the above consideration, the Assignors have assigned and transferred, and do hereby assign and transfer to the Assignee, its successors and assigns, their entire right, title and interest for the United States in and to the said invention and in and to the said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, in whole or in part, re-examinations, and extensions thereof, and all applications claiming priority therefrom; and the Assignors hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as their interest is concerned, to the Assignee; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said invention may issue, to the same extent as the Assignors would hold and enjoy if this Assignment had not been made.

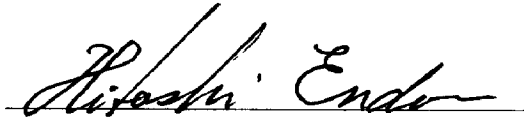
The Assignors also have assigned and transferred, and do hereby assign and transfer to the Assignee, its successors and assigns, their entire right, title and interest in and to the invention disclosed in said application, in all countries of the world foreign to the United States, including the right to file applications and obtain patents for said invention in its own name in said countries and including all rights of priority in said countries under the terms of any applicable international convention; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said invention may issue, to the same extent as the Assignors would hold and enjoy if this Assignment had not been made.

The Assignors further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights, and also agree, at the request of the Assignee, to testify in any legal proceedings, sign all lawful papers, make all lawful oaths, and generally do everything possible to aid said Assignee, its successors and assigns, to obtain, maintain and enforce patent protection for said invention in all countries.

The Assignors also hereby grant the law firm of EDWARDS & ANGELL, LLP, Dike, Bronstein, Roberts & Cushman, IP Group, 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.

IN WITNESS WHEREOF, the Assignors have caused this Assignment to be executed.

Dated this 31th day of May, 2001.


Hitoshi ENDOU

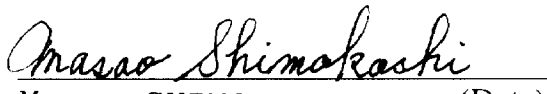
Dated this 31th day of May, 2001.


Yoshikatsu KANAI

WITNESS:


Norio SAEKI (Date)
Patent Attorney May 31, 2001

WITNESS:


Masao SHIMOKOSHI (Date)
Patent Attorney May 31, 2001