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J1046 U.S. PTO
09/847607
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Name (line 1) Tomohiro KAWASHIMA Execution Date Month Day Year 04 23 01

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Area Code and Telephone Number

(212)643-5000

Name Helfgott & Karas, P.C.

Address (line 1) Empire State Building

Address (line 2) 60th Floor

Address (line 3) New York, New York 10118

Address (line 4) Attorney Docket No.: NECW 18.625

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1

Application Number(s) or Patent Number(s)

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If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

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Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number has not been assigned.

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1

Fee Amount

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

40.00

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Samson Helfgott

5/02/01

Name of Person Signing

Signature

Date

ASSIGNMENT

Docket No. NECW18.625

WHEREAS, the below named inventor, ASSIGNOR, has made a certain new and useful invention in : REPAIRABLE FLIP CHIP SEMICONDUCTOR DEVICE WITH EXCELLENT PACKAGING RELIABILITY AND METHOD OF MANUFACTURING SAME

for which

(check one) an application is being filed concurrently herewith,
 an application for a Patent of the United States was filed on _____
 and given Application Serial No. _____

and WHEREAS, NEC Corporation
having a place of business at 7-1, Shiba 5-chome, Minato-ku, Tokyo, Japan

is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, the said ASSIGNOR, has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventor's certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR covenants and agrees that he has full right to convey the entire interest herein assigned, and has not executed, and will not execute, any agreement in conflict herewith.

AND ASSIGNOR further covenants and agrees that he will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

Full name of sole or first inventor TOMOHIRO KAWASHIMA
Inventor's signature Tomohiro Kawashima Date April 23, 2001
Residence Tokyo, Japan Citizenship Japanese
Post Office Address c/o NEC Corporation, 7-1, Shiba 5-chome, Minato-ku, Tokyo, Japan

Full name of second inventor _____
Inventor's signature _____ Date _____
Residence _____ Citizenship _____
Post Office Address _____

Witness:
Niteshi Ukani
[Signature]