

FORM PTO-1586 (Rev. 6-93) <span style="float: right;">Docket No.: 3784</span> OMB No. 0631-0111 (6-94) <span style="float: right;">1 SHEET U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office</span> Tab settings: 5 5 5 <span style="float: right;">07-15-1999</span>			
To the Honorable Commission <span style="float: right;">101093592</span>			
1. Name of conveying party(ies): Yoshiyuki HIROSE Kazutaka SASAKI Mitsuru SHIMAZU Hirohiko NAKATA Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies) Name: <u>Sumitomo Electric Industries</u> Internal Address: <u>5-33, Kitahama 4-chome</u> <u>Chuo-ku, Osaka-shi</u> <u>Osaka, Japan</u> Street Address: _____ City: _____ State: _____ ZIP: _____ Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <span style="margin-left: 100px;"><input type="checkbox"/> Merger</span> <input type="checkbox"/> Security Agreement <span style="margin-left: 100px;"><input type="checkbox"/> Change of Name</span> <input type="checkbox"/> Other _____ Execution Date: <u>June 24, 1999</u>			
4. Application number(s) or patent number(s): <u>09,343167</u> If this document is being filed together with a new application, the execution date of the application is: <u>June 24, 1999</u> <table style="width: 100%;"> <tr> <td style="width: 50%;">A. Patent Application No.(s) (TO BE ASSIGNED - Docket No. 3784)</td> <td style="width: 50%;">B. Patent No.(s)</td> </tr> </table> Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		A. Patent Application No.(s) (TO BE ASSIGNED - Docket No. 3784)	B. Patent No.(s)
A. Patent Application No.(s) (TO BE ASSIGNED - Docket No. 3784)	B. Patent No.(s)		
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Fasse Patent Attorneys, P.A.</u> Internal Address: <u>P.O. Box K</u> <u>St. Albans, ME 04971</u> Street Address: <u>Indian Pond Lane</u> <u>St. Albans, ME 04971</u> City: _____ State: _____ ZIP: _____	6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 3.41).....\$ <u>40.00</u> <input checked="" type="checkbox"/> Enclosed (ck# <u>1715</u> ) <del>XX AUTOMATICALLY CHARGED TO DEPOSIT ACCOUNT XX</del> <del>XX DEPOSIT ACCOUNT NUMBER XX</del> <u>50005007</u> (Attach duplicate copy of this page if paying by deposit account)		
DO NOT USE THIS SPACE			
8. 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. <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="width: 40%;"> <u>Walter F. Fasse</u>            Name of Person Signing         </div> <div style="width: 30%; text-align: center;">             Signature         </div> <div style="width: 20%; text-align: right;"> <u>June 29, 1999</u>            Date         </div> </div> Total number of pages including cover sheet, attachments, and document: <u>3</u>			

Mail documents to be recorded with required cover sheet information to:  
 Commissioner of Patents & Trademarks, Box Assignments  
 Washington, D.C. 20231

case: 3784/ar  
 Encls.: postcard, copy of Assignment, ck# 1715

CERTIFICATE OF EXPRESS MAIL SERVICE (NO: EL288175702US)  
 I hereby certify that this correspondence with enclosures is being deposited with the United States Postal Service "Express Mail Post Office Addressee" service under 37 CFR 1.10 on the date indicated below, addressed to Assistant Commissioner for Patents, Washington, D. C. 20231.

Date: June 29, 1999

Margit Ettinger 6/29/99  
 Name: Margit Ettinger

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Date: June 29, 1999

United States Patent Rights, or  
United States plus All Foreign Patent Rights

ATTORNEY DOCKET NO.

3784

## ASSIGNMENT

Application No. \_\_\_\_\_

Filed \_\_\_\_\_

Insert Name(s)  
of Inventor(s)

WHEREAS, Yoshiyuki HIROSE, Kazutaka SASAKI, Mitsuru SHIMAZU  
and Hirohiko NAKATA

Insert Title  
of Invention

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in \_\_\_\_\_

POWER MODULE BOARD AND POWER MODULE USING THE BOARD

for which an application for Letters Patent of the United States of America has been executed by the undersigned

Insert Date  
of Signing of  
Application

on June 24, 1999; and

Insert Name  
of Assignee

WHEREAS, Sumitomo Electric Industries, Ltd.

Insert Address  
of Assignee

of 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka, Japan

CHECK BOX  
IF APPROPRIATE

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and  
☒ in any and all foreign countries.

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries;

and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for which the same may be granted.

PATENT  
REEL: 010085 FRAME: 0295

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 or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the 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 of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) the request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the 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 law firm of Fasse Patent Attorneys, P.A. 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 U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

Date <u>24 Jun. 1999</u>	Name of Inventor <u>Yoshiyuki Hirose</u> (signature) Yoshiyuki HIROSE
Date <u>24 Jun. 1999</u>	Name of Inventor <u>Kazutaka Sasaki</u> (signature) Kazutaka SASAKI
Date <u>24 Jun. 1999</u>	Name of Inventor <u>Mitsuru Shimazu</u> (signature) Mitsuru SHIMAZU
Date <u>June 24, 1999</u>	Name of Inventor <u>Hirohiko Nakata</u> (signature) Hirohiko NAKATA
Date _____	Name of Inventor _____ (signature)
Date _____	Name of Inventor _____ (signature)
Date _____	Name of Inventor _____ (signature)
Date _____	Name of Inventor _____ (signature)
Date _____	Name of Inventor _____ (signature)
Date _____	Name of Inventor _____ (signature)