

05-09-2000

RE

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101351409

Attorney Docket No.: 049343-5006

To the Assistant Commissioner for Patents:
Please record the attached original documents or copy thereof.

ATTN: BOX ASSIGNMENT

1. Name of conveying party(ies):

- 1. Hiroaki ANDO
- 2. Taichi HOSHINO
- 3. Kengo ADACHI

Additional name(s) of conveying party(ies) attached?
 Yes No

4.25.00

2. Name and address of receiving party(ies):

Name: Rohm Co., Ltd.

Internal Address:

Street Address: 21, Sain Mizosaki-cho, Ukyo-ku, Kyoto
615-8585, Japan

City: State: Zip:

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

105235 U.S. PTO
09/557985

3. Nature of conveyance:

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

Execution Date: 1) February 21, 2000, 2) February 21, 2000 and
February 25, 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:
1) February 21, 2000, 2) February 21, 2000, 3) February 25, 2000

09/557985

A. Patent Application No.(s) B. Patent No.(s)

Additional numbers attached: Yes No

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

Name: Mr. Robert J. Gaybrick

Internal Address: Morgan, Lewis & Boekius LLP
Customer No. 09629

Street Address: 1800 M Street, N.W.
City: Washington State: D.C. Zip: 20036

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. §3.41): \$40.00
 Enclosed
 Authorized to be charged to deposit account 50-0310

8. Deposit account number: 50-0310
Attach duplicate of page if paying by deposit account

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.

J. Michael Therz

Name of Person Signing

J. Michael Therz
Signature

April 25, 2000

Date

05/09/2000 15:21:51 09/557985
01 FC:381 40.00 SP

Total number of pages including cover sheet, attachments and documents: 7

ASSIGNMENT

WHEREAS I/We, the below named inventor(s). [hereinafter referred to as Assignor(s)], have made an invention entitled:
A DC-DC CONVERTER CAPABLE OF SOFT STARTING

for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed an application for United States Letters Patent on _____, (Application No. _____); and

WHEREAS, Rohm Co., Ltd., a corporation of Japan, whose post office address is 21, Saiin Mizozaki-cho, Ukyo-ku, Kyoto 615-8585, Japan (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment:

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys I/WE have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. _____, filed _____) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

Full Name of Sole or First Assignor Hiroaki Ando	Assignor's Signature <i>Hiroaki Ando</i>	Date 21th Feb 2000
Address Rohm, Co. Ltd. 21, Saiin Mizozaki-cho, Ukyo-ku, Kyoto 615-8585 JAPAN		Citizenship Japan
Full Name of Second Assignor Taichi Hoshino	Assignor's Signature	Date
Address Rohm, Co. Ltd. 21, Saiin Mizozaki-cho, Ukyo-ku, Kyoto 615-8585 JAPAN		Citizenship Japan
Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

Full Name of Third Assignor Kengo Adachi	Assignor's Signature	Date
Address 4-10-4, Midorigaoka, Toyonaka-shi, Osaka 560-0002 JAPAN		Citizenship Japan
Names of additional inventors attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

1-70-11624.1

Morgan, Lewis & Bockius LLP

PATENT
REEL: 010761 FRAME: 0294

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

A DC-DC CONVERTER CAPABLE OF SOFT STARTING

for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed an application for United States Letters Patent on _____, (Application No. _____); and

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NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

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Full Name of Second Assignor Taichi Hoshino	Assignor's Signature <i>Taichi Hoshino</i>	Date 21th Feb 2000
Address Rohm. Co. Ltd. 21, Saiin Mizozaki-cho, Ukyo-ku, Kyoto 615-8585 JAPAN		Citizenship Japan
Names of additional inventors attached [X] Yes [] No		

Full Name of Third Assignor Kengo Adachi	Assignor's Signature	Date
Address 4-10-4, Midorigaoka, Toyonaka-shi, Osaka 560-0002 JAPAN		Citizenship Japan
Names of additional inventors attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

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Names of additional inventors attached [X] Yes [] No		

Full Name of Third Assignor Kengo Adachi	Assignor's Signature <i>Kengo Adachi</i>	Date <i>25th Feb 2000</i>
Address 4-10-4, Midorigaoka, Toyonaka-shi, Osaka 560-0002 JAPAN		Citizenship Japan
Names of additional inventors attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

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Morgan, Lewis & Bockius LLP

RECORDED: 04/25/2000

**PATENT
REEL: 010761 FRAME: 0298**