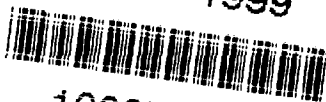


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To the Honorable Assistant Commissioner for Patents. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Hiroshi KONUMA, Koro SHIRANE, Ryuji MONDEN, Atsushi SAKAI, Yuji FURUTA, Katsuhiko YAMAZAKI, Hideki OHATA and Yoshiaki IKENOUE

2. Name and address of receiving party(ies)?
Name: SHOWA DENKO K.K.
Internal Address: 13-9, Shiba Daimon 1-chome, Minato-ku, Tokyo 105-8518 Japan
Street Address: Same as above

Additional name(s) of conveying party(ies) attached?
 yes no

City State Zip

3. Nature of Conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other

Additional name(s) & address(es) attached?
 yes no

Execution Date: December 18, 15, 21 and 10, 1998, respectively

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:
December 18, 15, 21 and 10, 1998, respectively

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:

SUGHRUE, MION, ZINN, MACPEAK & SEAS
2100 Pennsylvania Avenue, N.W.
Suite 800
Washington, D.C. 20037-3202

6. Total number of applications and patents involved:
One (1)

7. Total Fee (37 CFR 3.41): \$ 40.00
 Enclosed. Please charge any underpayment in connection with this Assignment to Deposit Account No. 19-4880.

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8. Deposit Account No.

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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.

Waddell A. Biggart
Name Waddell A. Biggart Reg. No. 24,861

January 20, 1999
Date

TOTAL NUMBER OF PAGES INCLUDING COVER SHEET, ATTACHMENTS AND DOCUMENT: 3

Assignment

Whereas, I/We, Hiroshi KONUMA, of c/o HD Plant, SHOWA DENKO K.K., 5-1, Yawata Kaigan-dori, Ichihara-shi, Chiba 290-0067 JAPAN, Koro SHIRANE, of c/o Central Research Laboratory, SHOWA DENKO K.K., 1-1, Ohnodai 1-chome, Midori-ku, Chiba-shi, Chiba 267-0056 JAPAN, Ryuji MONDEN, of c/o OMACHI Works, SHOWA DENKO K.K., 6850, Oaza Omachi, Omachi-shi, Nagano 398-0002 JAPAN, Atsushi SAKAI, of c/o OMACHI Works, SHOWA DENKO K.K., 6850, Oaza Omachi, Omachi-shi, Nagano 398-0002 JAPAN, Yuji FURUTA, of c/o OMACHI Works, SHOWA DENKO K.K., 6850, Oaza Omachi, Omachi-shi, Nagano 398-0002 JAPAN, Katsuhiko YAMAZAKI, of c/o OMACHI Works, SHOWA DENKO K.K., 6850, Oaza Omachi, Omachi-shi, Nagano 398-0002 JAPAN, Hideki OHATA, of c/o Central Research Laboratory, SHOWA DENKO K.K., 1-1, Ohnodai 1-chome, Midori-ku, Chiba-shi, Chiba 267-0056 JAPAN, and Yoshiaki IKENOUE, of c/o SHOWA DENKO K.K., 13-9, Shiba Daimon 1-chome, Minato-ku, Tokyo 105-8518 JAPAN for all of these eight inventors hereinafter called assignor(s), have invented certain improvements in

SOLID ELECTROLYTIC CAPACITOR AND METHOD FOR PRODUCING THE SAME

and executed an application for Letters Patent of the United States of America therefor on

December 18, 15, 21 and 10, 1998

Whereas, SHOWA DENKO K.K., of 13-9, Shiba Daimon 1-chome, Minato-ku, Tokyo 105-8518 Japan

(assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States Patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged, I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and I/we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

I/We hereby authorize and request my attorneys SUGHRUE, MION, ZINN, MACPEAK & SEAS of 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3202 to insert here in parentheses (Application number _____, filed _____) the filing date and application number of said application when known.

Date: 12/18/98 sl/ Hiroshi Konuma
Hiroshi KONUMA

Date: 12/18/98 sl/ Koro Shirane
Koro SHIRANE

Date: 12/15/98 sl/ Ryuji Monden
Ryuji MONDEN

Date: 12/15/98 sl/ Atsushi Sakai
Atsushi SAKAI

Date: 12/15/98 sl/ Yuji Furuta
Yuji FURUTA

Date: 12/15/98 sl/ Katsuhiko Yamazaki
Katsuhiko YAMAZAKI

Date: 12/21/98 sl/ Hideki Ohata
Hideki OHATA

Date: 12/10/98 sl/ Yoshiaki Ikenuoe
Yoshiaki IKENOUE

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)