03-30-1999 **OVER SHEET** FORM P.TO-1595 (modified) U.S. DEPARTMENT OF COMMERCE NLY 09/142662 100997364 the attached original document(s) or copy(ies) thereof. To the Honorable Commissions 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): (1) Tomoyoshi ASAKI; (2) Yukio ARAI; A. Name: ISHIFUKU METAL INDUSTRY CO., LTD. (3) Toshimi MORI; (4) Teruki TAKAYASU 300 Rec'd PCT/FTC 14 SEP 1998 Street Address: 20-7, Uchikanda 3-chome, Chiyoda-MRD 9-14-98 ku, Tokyo 101-8654, Japan Additional name(s) of conveying party(ies) attached? No City: _____, State: ____ ZIP: ____ 3. Nature of conveyance: B. Name: SHOWA CO., LTD. ___ Merger X Assignment Internal Address: _____ ___ Security Agreement ___ Change of Name Other Street Address: 2443-1, Kita-tawara-cho, Ikoma-shi, Execution Date: September 7, 1998 Nara 630-0142, Japan City: _____, State: ____ ZIP: ____ Additional name(s) & address(es) attached? No 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: September 7, 1998 A. Patent Application No.(s) B. Patent No.(s) CT/JP96/00633 Additional numbers attached? No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: 1 concerning document should be mailed: Name: WENDEROTH, LIND & PONACK 7. Total fee (37 C.F.R. § 3.41). . . .\$ 40.00 Internal Address: Attn: Mr. Jeffrey Nolton X Enclosed [Check No. Authorized to be charged to deposit account Street Address: 2033 "K" Street, N.M., Suite 800 8. Deposit account number: 23-0975 City: Washington, State: DC ZIP: 20006 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 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. Jeffrey Nolton, Reg. No. 25,408 September 14, 1998 Name of Person Signing Total number of pages including cover sheet, attachments, and document: 3 Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks **Box Assignments** Washington, D.C. 20231

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ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned Tomoyoshi ASAKI, Yukio ARAI, Toshimi MORI and Teruki TAKAYASU, all citizens of Japan, Insert Name(s) of Inventor(s) the undersigned hereby sell(s) and assign(s) to ISHIFUKU METAL INDUSTRY CO., LTD. and SHOWA CO., LTD., Insert Name(s) both Japanese corporation, of Assignee(s) of 20-7, Uchikanda 3-chome, Chiyoda-ku, TOKYO 101-8654 JAPAN Address and 2443-1, Kita-tawara-cho, Ikoma-shi, NARA 630-0142 JAPAN (hereinafter designated as the Assignee) the entire right, title and interest for the United States as defined in 35 USC 100, in the invention known as ELECTROLYTIC COMPOSITE ELECTRODE Title of Invention for which an application for patent in the United States has been executed by the undersigned on Date of Signing

September 7, 1998

of Application

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 and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for 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 patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) 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.

PATENT REEL: 9843 FRAME: 0022 The undersigned hereby grant(s) the firm of WENDEROTH, LIND & PONACK, L.L.P., 2033 K Street, N.W., Suite 800, Washington, DC 20006, 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 Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s). Date September 7, 1998, Name of Inventor Jomo 405hi Asaki Date September 7, 1998, Name of Inventor

Yakio Avai Date September 7, 1998, Name of Inventor Toshimi Mori Date September 7, 1998, Name of Inventor Teruki Takayasu Date ______, Name of Inventor ______ Date _____, Name of Inventor _____ (This assignment should preferably be acknowledged before a United States Consul. If not, then the execution by the Inventor(s) should be witnessed by at least two witnesses who sign here.) Witness _____ Vanuala_____ ACKNOWLEDGEMENT This ______, 19____, before me personally came the above-named______ to me personally known as the individual(s) who executed the foregoing assignment, who did acknowledge to me that he (they) executed the same of his (their) own free will for the purposes therein set forth. Official Signature **SEAL** Official Title The above application may be more particularly identified as follows: U.S. Application Serial No. ______Filing Date _____ Applicant Reference Number _____ Atty Docket No.____ Title of Invention ______

RECORDED: 09/14/1998

PATENT REEL: 9843 FRAME: 0023