1/23/04

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FORM 1595 07 - 08 - 2	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office	
To the Honorable Commissioner of Pater. 102785	594 original documents or copy thereof.	
Name of conveying party(ies):	Name and address of receiving party(ies):	
Tomoyuki TADA, Masahiko INOUE	NAME: Tanaka Kikinzoku Kogyo K.K.	
Additional name(s) of conveying party(ies) attached? [ ] Yes [x] No	ADDRESS: 6-6 Nihonbashikayaba-cho, 2-chome Chuo-ku, Tokyo 103-8206, Japan	
3. Name of Conveyance:	G1100-kg, 10ky0 103-0200, Japan	
[x] Assignment [] Merger	Additional name(s) & addresses(es) attached? [ ] Yes [x ] No	
[ ] Security Agreement [ ] Change of Name	[ ] 165 [X ] 140	
[ ] Other		
Execution/Effective Date: 11/11/03		
4. Application number(s) or patent number(s): (0/48)	he execution date of the application is:	
A. Patent Application No.(s)	B. Patent No.(s)	
PCT/JP03/04613		
Additional numl	bers attached? [ ] Yes [x ] No	
Name and address of party to whom correspondence concerning document should be mailed:  Name: Robert B. Murray	6. Total number of applications and patents involved: 1	
Internal Address: Rothwell, Figg, Érnst & Manbeck Suite 800	7. Total fee (37 CFR 3.41): \$40	
Street Address: 1425 K St., N.W. City: Washington,	[x ] Enclosed	
State: D.C. Zip: 20005 Telephone No.: 202/783-6040	[ ] Authorized to be charged to deposit account	
Facsimile No.: 202/783-6031	8. Deposit account number: 02-2135	
Attorney Docket No.: 2922-471	Attach duplicate copy of this page if paying by deposit account	
DO NOT US	E THIS SPACE	
9. Statement and signature.		
To the best of my knowledge and belief, the foregoing informat true copy of the original document.	ion is true and correct) and any attached copy is a	
Robert B. Murray	mer 1/20/04	
Name of Person Signing	Signature Z Date	
Total number of	f pages including cover sheet, attachments and documents:2	

PATENT REEL: 015525 FRAME: 0554

Attornav	Docket	Number	

**RECORDED: 01/23/2004** 

Rothwell, Figg, Ernst & Manbeck, P.C.

## ASSIGNMENT OF PATENT APPLICATION

WHEREAS, Tanaka Kikinzoku Kogyo K.K. (Japanese corporation) of 6-6. Nihonbashikayaba-cho 2-chome,  Assignee Citizenship or Corporate Situs Address  Chuo-ku, Tokyo 103-8206, JAPAN  SSIGNEE, 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/us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I/we, the said ASSIGNOR(S) have sold, assigned, transferred and set over, and by the resents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, to ad interest in, to and under the said invention, and the said application and all divisions, renewals and continuations thereof, and all Letters Pate of the United States which may be granted thereon and all reexamination certificates, reissues and extensions thereof, and I/we hereby authorize request the Commissioner of Patents of the United States, to issue all Letters Patent for said invention to the said ASSIGNEE, its successors, legal	at	en of, residir zen of, residir n of, residir  N FUEL ELECTRODE OF  ,  1111, 2003;  kayaba-cho 2-chome,  Address  ad the said application; , and other good and valuable ned, transferred and set over, and by these entatives and assigns, the entire right, tit ntinuations thereof, and all Letters Pater ons thereof and live bereby authorize ons the said application;
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at	ASSIGNOR(S), am/are the inventor(s) of an invention in CATALYST FOR USE II POLYMER SOLID ELECTROLYTE TYPE FUEL CELL for which I/we have executed an application for Letters Patent of the United States  [ ] of even date herewith; (check one) [ ] U.S. Serial Number filed on [×] International Application No. PCT/JP03/04613 filed on April  WHEREAS, Tanaka Kikinzoku Kogyo K.K. (Japanese corporation) of 6-6. Nihonbashi Assignee Cittenship or Corporate Situs  Chuo-ku, Tokyo 103-8206, JAPAN  ASSIGNEE, is desirous of obtaining the entire right, title and interest in, to and under the said invention and NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me/us in hand paid consideration, the receipt of which is hereby acknowledged, I/we, the said ASSIGNOR(S) have sold, assign and interest in, to and under the said invention, and the said application and all divisions, renewals and confidence in the said application and all divisions, renewals and confidence in the said application and all divisions, renewals and confidence in the said application and all divisions, renewals and confidence in the said application and all divisions, renewals and confidence in the said application and all divisions, renewals and confidence in the said application and all divisions, renewals and confidence in the said application and all divisions, renewals and confidence in the said application and all divisions, renewals and confidence in the said application and all divisions, renewals and confidence in the said application and all divisions, renewals and confidence in the said application and all divisions, renewals and confidence in the said application and all divisions, renewals and confidence in the said application and all divisions, renewals and confidence in the said application and all divisions, renewals and confidence in the said application and all divisions, renewals and confidence in the said application and all divisions, renewals and confidence in the said application and all divisions, renewals and confide	h of, residing, residing
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for which I/we have executed an application for Letters Patent of the United States,  [ ] of even date herewith;  (check one) [ ] U.S. Serial Number	for which I/we have executed an application for Letters Patent of the United States  [ ] of even date herewith;  (check one) [ ] U.S. Serial Number	kayaba-cho 2-chome.  Address  and the said application;  and other good and valuable and, transferred and set over, and by the entatives and assigns, the entire right, timulations thereof, and all Letters Paterons thereof and I/we hereby authorize and the said applications.
(check one)  [V.] International Application No. PCT/IPO3/04613 filed on April 11, 2003  [X.] International Application No. PCT/IPO3/04613 filed on April 11, 2003  [X.] International Application No. PCT/IPO3/04613 filed on April 11, 2003  [X.] International Application No. PCT/IPO3/04613 filed on April 11, 2003  [X.] WHEREAS, Tanaka Kikinzoku Kogyo K.K. (Japanese corporation) of 6-6. Nihonbashikavaba-cho 2-chome.  Addinase  Chuo-ku, Tokyo 103-8206, JAPAN  SIGNORE, is desirous of obtaining the entire right, title and interest in, to and under the said application.  NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me/us in hand paid, and other good and valuable onsideration, the receipt of which is hereby acknowledged, I/we, the said ASSIGNOR(3) have sold, assigned, transferred and set over, and by the seems do hereby sell, assign, transfer and set over, unto the said ASSIGNOR(3) have sold, assigned, transferred and set over, and by the seems do hereby sell, assign, transfer and set over, unto the said ASSIGNOR(3) have sold, assigned, transferred and set over, and by the seems do hereby sell, assign, transfer and set over, unto the said ASSIGNOR(3) have sold, assigned, transferred and set over, and by the seems do hereby sell, assign, transfer and set over, unto the said ASSIGNOR(3) have sold, assigned, transferred and set over, and by the seems do hereby sell, assign, transfer and set over, unto the said ASSIGNOR(3) have sold, assigned, transferred and set over, and by the seems do hereby sell, assign, renewals and continuations thereof, and all Letters Patent for said invention to the said ASSIGNOR(4) and 11 the seems of the said ASSIGNOR(4) and 11 the seems of this instrument.  AND IWE HEREBY covenant that I/we have the full right to convey the entire interest herein assigned, and that I/we have not executed will not execute, any agreement in conflict herewith.  AND IWE HEREBY sell-there covenant and agree that I/we will communicate to said ASSIGNEE, its successors, legal representatives and	(check one) [] U.S. Serial Number filed on  [X] International Application No. PCT/JP03/04613 filed on April  WHEREAS, Tanaka Kikinzoku Kogyo K.K. (Japanese corporation) of 6-6. Nihonbashi  Assignee Citizenship or Corporate Situs  Chuo-ku, Tokyo 103-8206, JAPAN  SSIGNEE, is desirous of obtaining the entire right, title and interest in, to and under the said invention and NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me/us in hand paid onsideration, the receipt of which is hereby acknowledged, I/we, the said ASSIGNOR(S) have sold, assign resents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal represented interest in, to and under the said invention, and the said application and all divisions, renewals and confined States which may be granted thereon and all reexamination certificates, reissues and extension quest the Commissioner of Patents of the United States, to issue all Letters Patent for said invention to the presentatives and assigns, in accordance with the terms of this instrument.  AND I/WE HEREBY covenant that I/we have the full right to convey the entire interest herein	kayaba-cho 2-chome,  Address  and the said application;  and other good and valuable and, transferred and set over, and by the containves and assigns, the entire right, timulations thereof, and all Letters Paterons thereof and Live hereby authorize and the said applications.
[X] International Application No. PCT/IP03/04613 filed on April 11, 2003  WHEREAS, Tanaka Kikinzoku Kogyo K.K. (Japanese corporation) of 6-6. Nihonbashikayaba-cho 2-chome.  Chuo-ku, Tokyo 103-8206. JAPAN  SSIGNEE, 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/us in hand paid, and other good and valuable misideration, the receipt of which is hereby acknowledged, I/we, the said ASSIGNOR(\$5\) have sold, assigned, transferred and set over, and by the seems do hereby sell, assign, transfer and set over, unto the said ASSIGNOR(\$5\) have sold, assigned, transferred and set over, and by the seems do hereby sell, assign, transfer and set over, unto the said ASSIGNOR(\$5\) have sold, assigned, transferred and set over, and by the United States which may be granted thereon and all recexamination centificates, reissues and extensible stereof, and lil Letters Pate to United States which may be granted thereon and all recexamination centificates, reissues and extensible stereof, and whe bereby authorize quest the Commissioner of Patents of the United States, to issue all Letters Patent for said invention to the said ASSIGNEE, its successors, legal presentatives and assigns, to entered the terms of this instrument.  AND I/WE HEREBY covenant that I/we have the full right to convey the entire interest herein assigned, and that I/we have not executed will not execute, any agreement in conflict herewith.  AND I/WE HEREBY further covenant that I/we have the full right to convey the entire interest herein assigned, and that I/we have not executed will not execute, any agreement in conflict herewith.  AND I/WE HEREBY further covenant and agree that I/we will communicate to said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention at the expense of the ASSIGNEE.  IN TESTIMONY WHEREOF, I/we hereunto set my/our hand	WHEREAS, Tanaka Kikinzoku Kogyo K.K. (Japanese corporation) of 6-6. Nihonbashi Chuo-ku, Tokyo 103-8206, JAPAN  SSIGNEE, is desirous of obtaining the entire right, title and interest in, to and under the said invention and NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me/us in hand paid onsideration, the receipt of which is hereby acknowledged, I/we, the said ASSIGNOR(S) have sold, assign resents do hereby sell, assign, transfer and set over, unto the said ASSIGNOR(S) have sold, assign the United States which may be granted thereon and all reexamination certificates, reissues and extension quest the Commissioner of Patents of the United States, to issue all Letters Patent for said invention to the presentatives and assigns, in accordance with the terms of this instrument.  AND I/WE HEREBY covenant that I/we have the full right to convey the entire interest herein	kayaba-cho 2-chome,  Address  and the said application;  and other good and valuable med, transferred and set over, and by the mentatives and assigns, the entire right, to intimuations thereof, and all Letters Pate mentatives and all Letters are the state of the said and the said application;  and the said application;
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WHEREAS, Tanaka Kikinzoku Kogyo K.K. (Japanese corporation) of 6-6. Nihonbashikayaba-cho 2-chome.  **Chuo-ku, Tokyo 103-8206, JAPAN  SSIGNEE, 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/us in hand paid, and other good and valuable insideration, the receipt of which is hereby acknowledged, I/we, the said ASSIGNOR(\$\mathcal{S}\mathcal{S}\mathcal{G}\mathcal{N}(\mathcal{S}\mathcal{G})\mathcal{N}(\mathcal{S}\mathcal{S})\text{ in the math paid, and other good and valuable insideration, the receipt of which is hereby acknowledged, I/we, the said ASSIGNOR(\$\mathcal{S}\mathcal{S}\mathcal{S}\mathcal{G}\mathcal{N}(\mathcal{S})\text{ in the math paid, and other good and valuable insideration, the receipt of which is hereby acknowledged, I/we, the said ASSIGNOE(\$\mathcal{S}\mathcal{S}\mathcal{S}\mathcal{G}\mathcal{N}(\mathcal{S}\mathcal{S}\mathcal{G})\text{ in the receipt of which is hereby acknowledged, I/we, the said ASSIGNOE(\$\mathcal{S}\mathcal{S}\mathcal{S}\mathcal{S}\mathcal{M} in the receipt of which is hereby acknowledged, I/we, the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, to did interest in, to and under the said and invention and all divisions, renewals and continuations thereof, and all Letters Patent for said invention to the said ASSIGNEE, its successors, legar presentatives and assigns, in accordance with the terms of this instrument.  AND I/WE HEREBY further covenant that I/we have the full right to convey the entire interest herein assigned, and that I/we have not executed will not execute, any agreement in conflict herewith.  AND I/WE HEREBY further covenant and agree that I/we will communicate to said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention at the expense of the ASSIGNEE.  IN TESTIMONY WHEREOF, I/we hereunto set my/our han	WHEREAS, Tanaka Kikinzoku Kogyo K.K. (Japanese corporation) of 6-6. Nihonbashi Assignee Citizenship or Corporate Situs  Chuo-ku, Tokyo 103-8206, JAPAN  SSIGNEE, is desirous of obtaining the entire right, title and interest in, to and under the said invention and NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me/us in hand paid consideration, the receipt of which is hereby acknowledged, I/we, the said ASSIGNOR(S) have sold, assign resents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal represent in the control of the United States which may be granted thereon and all reexamination certificates, reissues and extension quest the Commissioner of Patents of the United States, to issue all Letters Patent for said invention to the presentatives and assigns, in accordance with the terms of this instrument.  AND I/WE HEREBY coverant that I/we have the full right to convey the entire interest herein	Address  and the said application;  and other good and valuable and, transferred and set over, and by the entatives and assigns, the entire right, to attitudations thereof, and all Letters Paterons thereof and Live hereby authorize and the said application;  and the said application;  and the said application;  and other good and valuable and by the said application;  and other good and valuable and by the said application;  and other good and valuable and by the said application;  and other good and valuable and by the said application;  and the said application;
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Chuo-ku, Tokyo 103-8206, JAPAN  Chuo-ku, Tokyo 103-8206, JAPAN  SSIGNEE, 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/us in hand paid, and other good and valuable insideration, the receipt of which is hereby acknowledged, I/we, the said ASSIGNOR(\$2) have sold, assigned, transferred and set over, and by the seemts do hereby sell, assign, transfer and set over, unto the said ASSIGNOR(\$2) have sold, assigned, transferred and set over, and by the seemts do hereby sell, assign, transfer and set over, unto the said ASSIGNOR(\$2) have sold, assigned, transferred and set over, and by the seemts do hereby sell, assign, transfer and set over, unto the said ASSIGNOR(\$2) have sold, assigned, transferred and set over, and by the seemts of the said ASSIGNOR(\$2) have sold, assigned, transferred and set over, and by the seemts in, to and under the said invention, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent for said invention to the said ASSIGNEE, its successors, legal presentatives and assigns, in accordance with the terms of this instrument.  AND I/WE HEREBY covenant that I/we have the full right to convey the entire interest herein assigned, and that I/we have not executed will not execute, any agreement in conflict herewith.  AND I/WE HEREBY further covenant and agree that I/we will communicate to said ASSIGNEE, its successors, legal representatives and resisted applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE. Its successors, legal presentatives and assigns, to obtain and enforce proper patent protection for said invention at the expense of the ASSIGNEE.  IN TESTIMONY WHEREOF, I/we hereunto set my/our hand(s) and seal(s) the day and year set opposite my/our signature(s).  L.S. Date	Chuo-ku, Tokyo 103-8206, JAPAN  SSIGNEE, is desirous of obtaining the entire right, title and interest in, to and under the said invention and NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me/us in hand paid insideration, the receipt of which is hereby acknowledged, I/we, the said ASSIGNOR(S) have sold, assign essents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal represed interest in, to and under the said invention, and the said application and all divisions, renewals and continued States which may be granted thereon and all reexamination certificates, reissues and extension quest the Commissioner of Patents of the United States, to issue all Letters Patent for said invention to the presentatives and assigns, in accordance with the terms of this instrument.  AND I/WE HEREBY covenant that I/we have the full right to convey the entire interest herein	Address  and the said application;  and other good and valuable and, transferred and set over, and by the entatives and assigns, the entire right, to intinuations thereof, and all Letters Pate and thereof and I/we hereby authorized
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Tomoyuki TADA L.S. Date NOV. 11th ,2003  Masahiko INOUE L.S. Date Nov. 11th ,2003  L.S. Date ,20  L.S. Date ,20  Susumu Fujishima Nov. 11th ,2003	signs, any facts known to me/us respecting said invention, and testify in any legal proceeding, sign all la ontinuing and reissue applications, make all rightful oaths and generally do everything possible to aid the	wful papers, execute all divisional, said ASSIGNEE, its successors, legal
Masahiko INOUE L.S. Date Nov. 11th ,20 03  L.S. Date ,20  L.S. Date ,20  Susumu Fujishima Nov. 11th ,2003	IN TESTIMONY WHEREOF, I/we hereunto set my/our hand(s) and seal(s) the day and year s	et opposite my/our signature(s).
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Name Susumu Furi ahi Date	Susuma Fujishina Nm. 11+6.	
SUSUMU FUITSHIMA	1000. 1100	. 2003

**PATENT REEL: 015525 FRAME: 0555**