1244-03 S'4'0'4 To the Honorable Commissioner of	10-05-2004	d the attached original
documents or copy thereof.	102852452	d the attached original
1. Name of conveying party(ies): Kyoko Hamahara Hisatada Nakakoji Chiaki Kato Nobuhiko Uesugi Kazumasa Yoshida Katsuhiro Takebayashi	JFE Steel 2-3, Uchi Chiyoda- Tokyo 10 Additional r	nd address of receiving party(ies): 1 Corporation, a corporation of Japan isaiwai-cho 2-chome -ku 00-0011, Japan name(s) and address(es) attached? Yes No
Additional name(s) of conveying party(ies) attached? 3. Nature of conveyance:	□Yes ■No	
☐ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ■ Other correct the name of the assignor Execution Date: July 18, 2003		
4. Application number(s) or patent number(s):		9 =
A. Patent Application No.(s) B. Patent 10/628,752 Additional numbers attached? □ Yes ■	nt No.(s)	e of the application is:
5. Name and address of party to whom correspondence	ce concerning 6. Total nu	mber of applications and patents involved: 1
document should be mailed:		e (37 CFR 3.41) \$40.00
IP Department Piper Rudnick LLP 3400 Two Logan Square 18 th and Arch Streets	■ Enclosed □ Authoriz	d zed to be charged to deposit account
Philadelphia, PA 19103-2762 33/05/2004 DBYRNE 00000018 10628752		Account No. 50-2719 licate copy of this page if paying by deposit account)
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To the best of my knowledge and belief, the forego of the original document	ing information is true and co	
T. Daniel Christenbury	P	2 MAR 2004
Name of Person Signing Signature	Total number of pages	Date including one cover sheet, attachments and document: 2
	Tomi number of Papes	morading one cover sheet, attachments and document.

PATENT REEL: 015840 FRAME: 0695

RECORD : 08-07	.2003	IEET	
To the Honorable Commissioner of I documents or copy thereof.	8593	cord the attached original	
1. Name of conveying party(ies): Kyoko Hamahara; Hisatada Nakakaoji chiaki Kato Nobuhiko Uesugi Kazumasa Yoshida Katsuhiro Takebayashi Additional name(s) of conveying party(ies) attached? □Yes ■No 3. Nature of conveyance: ■ Assignment □ Merger	2. Name and add JFE Steel Corp 2-3, Uchisaiwa Chiyoda-ku Tokyo 100-00	dress of receiving party(ies): poration, a corporation of Japan ai-cho 2-chome 11, Japan (s) and address(es) attached? Yes	07/28/03
☐ Security Agreement ☐ Change of Name ☐ Other Execution Date: July 18, 2003			
If this document is being filed together with a new application, the A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached? □ Yes ■ No	execution date of the	ne application is: July 18, 2003	
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number 7. Total fee (37)	of applications and patents involved: 1 CFR 3.41) \$40.00	
IP Department Piper Rudnick LLP 3400 Two Logan Square 18 th and Arch Streets Philadelphia, PA 19103-2762	■ Enclosed □ Authorized to	be charged to deposit account	
	8. Deposit Accord (Attach duplicate	unt No. 50-2719 copy of this page if paying by deposit account))
DO NOT USE THIS SPACE			
9. Statement and signature.	 	Aller .	
To the best of my knowledge and belief, the foregoing information of the original document			
T. Daniel Christenbury Name of Person Signing Signature Total nur	Date	eding one cover sheet, attachments and documen	nt: 2
A/06/2003 ECOUPER 00000053 10628752 40.00 GP			

PATENT REEL: 015840 FRAME: 0696

RECORDED: 10/01/2004

ASSIGNMENT

WHEREAS, we, Kyoko Hamahara, Hisatada Kazumasa Yoshida, and Katsuhiro Takebayashi citizer respectively, (hereinafter referred to as "the undersignment of the coated steel sheet provided with electrode APPEARANCE	ns of Japan, residing at Chiba, Japan., med"), having made an invention entitled
for which on the date set forth below, unless otherwise undersigned executed an application for United States	
WHEREAS, JFE STEEL CORPORATION, a Uchisaiwai-cho 2-chome, Chiyoda-ku, Toukyo 100-00 is desirous of acquiring the entire right, title and intereletters patent issuing for said invention,	11 Japan, (hereinafter referred to as "assignee"),
NOW, THEREFORE, in consideration of One consideration, receipt of which is hereby acknowledge bound, does hereby sell, assign and transfer to the assign united States of America, its territories and possessi invention, including said patent application, all division claim priority based thereon, all rights to file foreign appatent and reissues thereof, issuing for said invention in all foreign countries.	ed, the undersigned, intending to be legally gnee the entire right, title and interest, for the ons, and for all foreign countries, in said ons and continuations thereof, all rights to opplications on said invention, and all letters
It is agreed that the undersigned shall be legally successors or assigns or a legal representative thereof, which the undersigned has knowledge or possession, invention, to testify in any legal proceeding relating the patent the invention in the United States of America assignee, and to execute all instruments proper to car undersigned includes more than one individual, these coboth individually and collectively.	to supply all information and evidence of relating to the making and practice of said hereto, to execute all instruments proper to and foreign countries in the name of the ry out the intent of this instrument. If the
The rights and property herein conveyed by encumbrance.	he undersigned are free and clear of any
EXECUTED on July 18 , 200	3, at Chiba, Japan
Kyoko	Hamahara Kyoko Hamahara
Hisatad	a Nakakoji Kisatada nakakoji
<u>Chiaki</u>	Kato Chiuf Ceco
Nobuhi	ko Uesugi Nolmhiko Uesugi
Wittness Kazuma	sa Yoshida Hazamesa Joshida
Katuhir	o Takebayashi Katsuhiro Takebayashi

PATENT REEL: 015840 FRAME: 0697