Page 1 of 1

Atty. Docket No.: 42-392P

100830096		
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.		
	O ==	
Name of conveying party(ies):	Name and address of receiving party(ies)	
HASHIMOTO, Yoshio, ISHIDE, Takashi	Name: MITSUBISHI HEAVY INDUSTRIES, LTD.	
Additional name(s) of conveying party(ies) attached? Yes No 3. Nature of conveyance:	Internal Address:	
	Street Address: 5-1, Marunouchi 2-chome, Chiyoda-ku	
	City: Tokyo State: ZIP:	
☐ Security Agreement ☐ Change of Name	Country: JAPAN Postal Code:	
Other:		
Execution Date: August 26, 1998	Additional name(s) & address(es) attached? Yes No	
Application number(s) or patent number(s): New		
If this document is being filed together with a new application, the execution date of the application is: August 26, 1998		
A. Patent Application No(s). 09148 494	B. Patent No.(s)	
Additional numbers attac		
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1(One) 7. Total fee (37 C.F.R. § 3.41): \$40.00	
Name: BIRCH, STEWART, KOLASCH & BIRCH, LLP	⊠ Enclosed	
Internal Address:	Authorized to be charged to deposit account	
Street Address: P.O. BOX 747	8. Deposit account number: 02-2448	
City: FALLS CHURCH State: VA ZIP: 22040-0747	(Attach triplicate copy of this page if paying by deposit account)	
Country: USA		
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		
TERREL C. BIRCH 19,382 Name of Person Signing/Reg. No. Signature September 4, 1998 Date		
	\$	
Total number of pages including cover sheet, attachments, and document:		
Mail documents to be recorded with required cover sheet information to:		

Commissioner of Patents & Trademarks, Box Assignments Washington, DC 20231

REEL: 9444 FRAME: 0057

(3YKA-98S0291-1)

In consideration of value received, I, having a residence as stated below above my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

HYBRID WELDING APPARATUS

sell and assign to		
MITSUBISHI HEAVY INDU 5-1, Marunouchi 2-chome, Chiy	STRIES, LTD., a Japan yoda-ku, Tokyo, Japan	nese corporation, having a place of business at
said invention as disclosed, shown and (check one) [X] exe [] exe [] Appand in and to all applications for pate reissues, continuations, substitutes and agreements, treaties or laws relating to filing of any of said applications; and I on said invention or resulting therefrom at the expense of said Assignee, I will said invention and testify in any legal processing the said invention and tes	d described in said Unit cuted concurrently here reuted on plication No. nt and patents for invend extensions thereof and the protection of indu I authorize and request om to said Assignee, and communicate to said Asproceedings, sign all lawnd declarations, and ger	, filed; , filed; ; , filed; ; , filed ; , tion, in all countries of the world, including all divisions, deall rights arising under or pursuant to any and all international strial property, including rights of priority, resulting from the any official whose duty is to issue patents, to issue any patent dealy official whose duty is to issue patents, to issue any patent dealy official whose duty is to issue patents, to issue any patent dealy official whose duty is to issue patents, to issue any patent dealy official whose duty is to issue patents, to issue any patent dealy official whose duty is to issue patents, to issue any patent dealy official whose duty is to issue patents, to issue any patent dealy official whose duty is to issue patents, to issue any patent dealy official whose duty is to issue patents, to issue any patent dealy official whose duty is to issue patents, to issue any patent dealy official whose duty is to issue patents, to issue any patent dealy official whose duty is to issue patents, to issue any patent dealy official whose duty is to issue patents, to issue any patent dealy official whose duty is to issue patents, to issue any patent dealy official whose duty is to issue patents, to issue any patent dealy official whose duty is to issue patents, to issue any patent dealy official whose duty is to issue patents, to issue any patent dealy official whose duty is to issue patents, to issue any patent dealy official whose duty is to issue patents, to issue any patent dealy official whose duty is to issue patents, to issue any patent dealy official whose duty is to issue patents, to issue any patent dealy official whose duty is to issue patents, to issue any patent dealy official whose duty is to issue patents, to issue any patent dealy official whose duty is to issue patents, to issue any patent dealy official whose duty is to issue patents, to issue any patent dealy official whose duty is to issue any patent dealy official whose duty is to issue patents, to issue any patent dealy official who
I hereby grant the following law firm to or desirable in order to comply with the	he power to insert on the Rules of the U.S. Pat	his Assignment any further identification which may be necessary ent and Trademark Office for recordation of this document.
Birch, Stewart, Kolasch & Birch, Ll U. S. A.	LP, 8110 Gatehouse Ro	ad, Suite 500 East, Falls Church, Virginia 22042
[1st Inventor] Residence Address: Takasago-shi, H Post Office Address: c/o TAKASAGo 1-1, Arai-cho Shinhama Country of Citizenship: Japan	O Research & Developi	ment Center MITSUBISHI HEAVY INDUSTRIES, LTD. ogo-ken, Japan
Date: August 26, 1998	Yoshio Hashimot	HASHI MOTO
	r osnio mashimot	O

PATENT REEL: 9444 FRAME: 0058 [2nd Inventor]

Residence Address: Takasago-shi, Hyogo-ken, Japan

Post Office Address: c/o TAKASAGO Research & Development Center MITSUBISHI HEAVY INDUSTRIES, LTD.

1-1, Arai-cho Shinhama 2-chome, Takasago, Hyogo-ken, Japan

Country of Citizenship: Japan

Date: August 26, 1998

Takashi Ishida

After recording please return to:

Birch, Stewart, Kolasch & Birch, LLP

8110 Gatehouse Road, Suite 500 East, Falls Church, Virginia 22042 U. S. A.

PATENT REEL: 9444 FRAME: 0059

RECORDED: 09/04/1998