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**TEET** 

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

	(n·16/10)	101401	743	Attorney's Docket No. 97R014		
To t	he Honorable Commissioner of Patents	அரு. riease	record	the attached original documents or copy thereof.		
1.	Name of conveying parties:	6 2	2. 1	Name and Address of receiving party		
	R. Jeffrey Ding		١	Name: National Aeronautics & Space Administration		
Add	litional name(s) of conveying party(ies) attached? [X]	Yes [ ]No	1	nternal Address: <u>Washington, DC 20546</u>		
3.	Nature of conveyance: Assignment		5	Street Address: 300 E. Street SW		
			_	Washington, DC 20546		
Exe	cution Date: 7 June 2000		Addit	onal name(s) & address(es) attached? [ ] Yes [X]No		
4.	Application number(s) or patent number(s)	04,424				
	If this document is being filed together	tion, the execution date of the application is:				
	A. Patent Application No.(s)		E	B. Patent No.(s)		
Additional numbers attached? [ ]Yes [ ]No						
5.	Name and address of party to whom			otal number of applications and patents involved:		
	correspondence concerning document sho	uld be				
	mailed:					
	Name: James J. McGroary		7. 1	Total fee (37 CFR 3.41) \$ 40.00		
	Internal Address: LSO1/Office of Patent Co	<u>unsel</u>	[	] Enclosed		
	Marshall Space Flight Center, AL 35812		Ţ.	X Authorized to be charged to Deposit Account		
	Street Address: George C. Marshall Space	<b>9</b>	8. E	Deposit Account number:		
	Flight Center					
	Marshall Space Flight Center, L 3581	12		18-1730		
7/11/2000 ASCOTT 00000210 181730 09104424 DO NOT USE THIS SPACE						
FC:	:581 40.00 CH					
9.	Statement and signature.					
	information is true and correct and any					
	uls 6/3/00					
	Harry B. Field Name of Person Signing	11	Sign	ature Date		
	Total number					
OMB NO. 0651-0011 (exp. 4/94)						
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## **Assignment and Agreement**

Patent Application

Title of Invention:								
Manual Adjustable Probe Tool For Friction Stir Welding								
Inventor(s):								
R. Jeffrey Ding and Peter A. Oelgoetz								
NASA Case No.: MFS-31212	Application No.*:	09/104,424	Filing Date*:	06/25/1998				
WHEREAS, the parties to this Assignment and Agreement are the undersigned inventor(s) and the United States Government (hereafter Government), as represented by the Administrator of the National Aeronautics and Space Administration;								
WHEREAS, the making of this Assignment and Agreement is in accordance with 37 CFR Part 501; and								
WHEREAS, the undersigned inventor(s) has (have) executed, on the date(s) indicated below, an application for Unite States Patent on the above-entitled invention.								
NOW THEREFORE, in consideration of employment by the Government, the undersigned hereby:  1. Assign to the Government my (our) full and exclusive right in and to said invention within the United States of America, its territories and possessions, and my (our) entire right, title and interest in and to said application, and any corresponding continuation or divisional application(s) and any patent(s) that may issue therefrom.								
2. Agree to grant to the Government my (our) full and exclusive foreign rights in and to said invention in accordance with 37 CFR 501.9(d), including rights of priority under the International Convention of Paris (1883), as amended. If the Government chooses not to file an application in any foreign country, I (we) may request rights in that country, in accordance with 37 CFR 501.9(d), and such rights will be subject to the reservation to the Government of a nonexclusive, irrevocable, royalty-free license in the invention with power to grant licenses for all governmental purposes. The terms of such reservation will appear, where practicable, in any foreign patent which may issue on such invention.								
3. Agree, at the expense of the Government, (a) to execute any document for, (b) to deliver any requested information to, and (c) to cooperate in any manner with the Government in order to allow the Government to protect any interest transferred by this Assignment and Agreement.								
*4_Authorize and request the attorneys of record in the application to insert the application number and filing date								
above when required		6-7-00	June 12,	1998				
(Signature of fiventy)		(Date)	(Date Application E	xecuted)				
R. Jeffle Ding		ive, Apt. #7, Athens, AL	35611	· · · · · · · · · · · · · · · · · · ·				
(Inventor's Typed Name)	(Post Office Address	- Including Country)						
(Signature of Inventor)		(Date)	(Date Application E	xecuted)				
(Inventor's Typed Name)	(Post Office Address	- Including Country)						
(Signature of Inventor)		(Date)	(Date Application E	xecuted)				
(Inventor's Typed Name)	(Post Office Address	- Including Country)						

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**RECORDED: 06/16/2000** 

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