To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof  1. Name of conveying party(les): WILLEM THOMAS DEGRAAFF JAE YONG LIM  3 - 21 - D Z    Mainteen Address of receiving party(les):   Name: General Electric Company		FORM PTO 1595 102038626	SHEET U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
WILLEM THOMAS DEGRAAFF JAE YONG UM  3 - 21 - 02    Massilicination   Marcologo of torweying partyline)   Yes   No			
3. Nature of conveyance:    Assignment		WILLEM THOMAS DEGRAAFF JAE YONG UM  3 - 21 - 02	Name: General Electric Company
If this document is being filed together with a new application, the execution date of the application is:  Mar 20, 2002 Mar 19, 2002  A. Patent Application No.(s)		3. Nature of conveyance:  Assignment Merger  Security Agreement Change of Name  Other	City: Schenectady State: NY ZIP:12345
5. Name and address of party to whom correspondence concerning document should be mailed:  Name: General Electric Company Internal Address:  Attn: Andrew C. Hess  GE Aircraft Engines  Street Address:  One Neumann Way, M/D H17  City: Cincinnati State: OH ZIP: 45215  Customer Number: Q06111  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.  VG Ramaswamy Name of Person Signing  March 21, 2002  OMB No. 0651-0011 (exp 4/94)  Do Not defach this portion  Mail documents to be recorded with required cover sheet information to:  Commissioner of Patents and Trademarks Box Assignments Washington, D.C. 20231		If this document is being filed together with a new ap  Mar 20, 2002 Mar 19, 2002  A. Patent Application No.(s)	B. Patent No.(s)
Internal Address: Attn: Andrew C. Hess GE Aircraft Engines  Street Address: One Neumann Way, M/D H17  City: Cincinnati State: OH ZIP: 45215 Customer Number: 006111  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.  VG Ramaswamy Name of Person Signing  OMB No. 0651-0011 (exp 4/94)  Mail documents to be recorded with required cover sheet information to:  Commissioner of Patents and Trademarks Box Assignments Washington, D.C. 20231		Name and address of party to whom correspondence	
City: Cincinnati State: OH ZIP: 45215 Customer Number: 006111  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.  VG Ramaswamy Name of Person Signing  OMB No. 0651-0011 (exp 4/94)  Do Not detach this portion  Mail documents to be recorded with required cover sheet information to:  Commissioner of Patents and Trademarks  Box Assignments  Washington, D.C. 20231		Internal Address:  Attn: Andrew C. Hess  GE Aircraft Engines	Enclosed  Authorized to be charged to deposit account  B. Deposit account number:
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.  VG Ramaswamy Name of Person Signing  Total number of pages including cover sheet, attachments and document  OMB No. 0651-0011 (exp 4/94)  Do Not detach this portion  Mail documents to be recorded with required cover sheet information to:  Commissioner of Patents and Trademarks  Box Assignments  Washington, D.C. 20231		Customer Number: 006111	
Mail documents to be recorded with required cover sheet information to:  Commissioner of Patents and Trademarks  Box Assignments  Washington, D.C. 20231		To the best of my knowledge and belief, the foregoing infor a true copy of the original document.  VG Ramaswamy  Name of Person Signing	March 21, 2002 Signature Date
81 40.00 CH	2002	Mail documents to be recorded with required cover sheet information to:  Commissioner of P  Box Assignments  Washington, D.C. 2	atents and Trademarks
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**PATENT** 

**REEL: 012722 FRAME: 0923** 

ASSIGNMENT		:	Docket Number
_			13DV14284
For good and valuable consideration, of which I acknowledge re	• • •	•	
WILLEM THOMAS DEGRAAFF	of	ALBUQUEI	_
JAE YONG UM	of	CINCINNA	ГІ, ОН
	of of		
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sell and assign to General Electric Company, a New York Corpora	ation its	SUCCESSORS AT	nd assigns the entire right, title and
interest in and to the improvements in:	allon, no .	3400030013 41	addigits the entire right, line and
SHAPING TOOL AND METHOD FOR SHAPING CURVED	SURFAC	CES ON WO	RKPIECES
executed concurrently herewith, or  U.S. Serial No.:  and any and all applications for patent and patents therefor in an continuations and extensions thereof, and all rights of priority res authorize and request any official whose duty it is to issue patent therefrom to said General Electric Company, or its successors or consideration, but at the expense of said Company, I will commu any facts known to me respecting said improvements and testify divisional, continuing and reissue applications, make all rightful of Company, its successors, assigns, and nominees to obtain and ecountries.	sulting from the text of t	the filing of e any patents and agree that said Company gal proceeding generally do coper patent p	said United States application, and on said improvements or resulting at on request and without further y or its representatives or nominees g, sign all lawful papers, execute all everything possible to aid said
24.0	WILL	ZEWI I HOWIA	3 DEGRAAFF
State of _ Tens Alke (0) SS:  County of _ Burshille _)			
This 20th day of March		20021.t	pefore me personally came the
above-named WILLEM THOMAS DEGRAAFF		to me pers	onally known as the individual
who executed the foregoing assignment, who acknowled	dged to m	ne that he/sh	e executed the same of his/her
own free will for the purposes the fell set forth.	/7		
Seal ( Elisa K. Ortega ( -	Eles	a & C	litege
NOTARY PUBLIC STATE OF NEW MEXICO My Commission Expires: 3 - 7-05		<sup>'</sup> (Not	ary Pulsfic)

	ASSIGNMENT	Docket Number 13DV14284
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	ate JAE YON	ig um
State of OHIO	) SS:	
County of _ HAMILTO	N _)	
Thisman 19 H	day of	, <u>2002</u> , before me personally came
Ocais/Der own	free Midhemetrisches poses therein set Notary Public, State of Ohio	
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the above-named		,, before me personally came to me personally known as the acknowledged to me that he/she executed the forth.
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same of his/her own  Seal  State of  County of _  This the above-named _ individual who exect	) SS: _) day of	,, before me personally came to me personally known as the acknowledged to me that he/she executed the

Page 2 of ...

PATENT REEL: 012722 FRAME: 0925