FORM PTO-1619A Expires 06/30/99 OMB 0651-0027

05-03-2001



U.S. Department of Commerce Patent and Trademark Office **PATENT** 

04/19/01

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X New		X Assignment	Security Agr	eement C
Resubmis Document	ssion (Non-Recordation) t ID#	License	Change of Na	ame 8.18
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Reel #	e Document Frame #		e ONLY by U.S. Governme partmental File	Secret File
Conveying F	Party(ies)	Mark if additional	names of conveying par	Execution Date
Name (line 1)	R. L. Busby			03 26 2001
Name (line 2)	Richard M. Muny			03 27 2001 Execution Date
Second Party Name (line 1)	United Technologies, P	ratt & Whitney		Month Day Year 04 06 2001
Name (line 2)			9/83	78 10
Receiving P	arty		arkaf additional names o	f receiving parties attached
Name (line 1)	United States of America	a, as representat	ed by the	If document to be recorded is an assignment and the
Name (line 2)	Secretary of the Navy			receiving party is not domiciled in the United States, an appointment
Address (line 1)	47123 Buse Rd., Unit IPT, Air-7.7.2  Gain appointment of a domestic representative is attached. (Designation must be a			
Address (line 2)	Building 2272/ Suite 2	57		separate document from Assignment.)
Address (line 3)	Patuxent River	Maryland State/Country	206	
Domestic Re	epresentative Name and A	ddroee	or the first Receiving Par	Code ty only.
Name [				
Address (line 1)				
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Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to: Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

**PATENT** 

REEL: 011743 FRAME: 0484

FORM PTO-1619B Expires 06/30/99 OMB 0651-0027	Page 2	U.S. Department of Commerce Patent and Trademark Office PATENT		
Correspondent Name and Add	dress Area Code and Telephone Number	301-757-0582		
Name Mark O. Glut, I	Patent Attorney			
Address (line 1) Naval Air Syst	ems Command, Air-7.7.2			
Address (line 2) 47123 Buse Rd,	Unit IPT			
Address (line 3) Building 2272	, Unit IPT			
Address (line 4) Patuxent Rive	r, MD 20670			
Pages Enter the total numb including any attach	er of pages of the attached conveyance docu nments.	ment #		
Application Number(s) or Pate		f additional numbers attached		
Enter either the Patent Application Numbe Patent Application Numb	er or the Patent Number (DO NOT ENTER BOTH numbers	s for the same property). nt Number(s)		
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If this document is being filed together with a signed by the first named executing inventor.	new Patent Application, enter the date the patent application	ion was Month Day Year		
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Enter PCT application nun only if a U.S. Application	nber	PCT		
has not been assigned.				
Number of Properties Enter	r the total number of properties involved.	¥ 1		
Fee Amount for Properties Listed (37 CFR 3.41): \$ 120.00				
Method of Payment: Enclosed Deposit Account X  Deposit Account				
(Enter for payment by deposit account	or if additional fees can be charged to the account.)  Deposit Account Number:	<b>#</b> 501312		
	Authorization to charge additional fees:	Yes No X		
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. Charges to deposit account are authorized, as				
<i>indicated herein.</i> John D. Lewis	Siche of	4//		
Name of Person Signing	Signature	Date		

## **ASSIGNMENT**

WHEREAS, United Technologies Pratt & Whitney, a corporation organized under and existing under the laws of the State of <a href="Delaware">Delaware</a> and having its principal place of business at <a href="400 Main St.">400 Main St.</a>, East Hartford, CT 06108, hereinafter referred to as the CONTRACTOR, is the owner, as a result of assignments dated the <a href="26th">26th</a> day of <a href="March">March</a>, 2001 and the <a href="27th</a>day of <a href="March">March</a>, 2001, of the entire right, title, and interest in and to an invention as described in a patent application entitled "Blade Tip Clearance Probe" further identified as Navy Case No. 80155, which application was executed by R.L Busby on the 2nd day of February, 2001 and by Richard M. Muny on the 8th day of February, 2001; and

WHEREAS, the United States Government represented by the Secretary of the Navy and hereinafter referred to as the GOVERNMENT, desires to acquired an interest therein in accordance with agreements duly entered into between the CONTRACTOR and the GOVERNMENT (Contract N00019-97-C-0050);

NOW, THEREFORE, in consideration of the premises and other good and valuable consideration the receipt of which is hereby acknowledged, the CONTRACTOR does hereby assign and transfer to the GOVERNMENT the entire right, title and interest in and to said invention as described in said application and such Letters Patent as may issue therefrom, said invention, application and Letters Patent to be held by the GOVERNMENT to the end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by the CONTRACTOR had this assignment not been made, subject to the reservation of a nonexclusive and royalty-free license under said invention to the CONTRACTOR (and to its existing and future associated and affiliated companies, if any, within the corporate structure of which the CONTRACTOR is a part) which license shall be assignable to the successor of the CONTRACTOR'S business to which said invention pertains.

The CONTRACTOR hereby further agrees to make, execute, and deliver to the GOVERNMENT, upon request, but at the expense of the GOVERNMENT, any and all papers, documents affidavits, statements, or other instruments that may be necessary in the prosecution of said application and of any substitutions, divisions, or continuations of said application, or applications for reissue of said Letters Patent, and further agrees to assist the GOVERNMENT in every way in protecting said invention as may be requested, provided that any expense arising through extending such assistance will be paid by the GOVERNMENT.

The CONTRACTOR hereby covenants that it has the right to grant the foregoing assignment.

IN TESTIMONY WHEREOF, the CON proper officers and its seal to be affixed this ATTEST:	TRACTOR has caused this assignment to be executed by its is 6th day of April , 2001.  On the Dechnologies Corporation CONTRACTOR
Kaun Malatesta	United Technologies Corporation
STATE OF Connecticut	. )
COUNTY OF Hartford	) SS . )
Personally appeared before me, <u>John</u> Assistant Secretary of the above-r	Swiatocha, to me well known and known to be the named CONTRACTOR, who signed the foregoing in my

Accepted for the benefit of the Government of the United States of America.

presence and acknowledged the same to be his/her voluntary act and deed.

## **ASSIGNMENT**

WHEREAS, I, **R. L. BUSBY**, residing at 2704 Richard Road, Lake Park, FL 33403, has invented certain improvements in **BLADE TIP CLEARANCE PROBE**, identified as **Navy Case No. 80155 (F-8096)**, and described in a patent application executed by the undersigned on the 2<sup>nd</sup> day of February, 2001, being owner of all right, title and interest in and to said application and in and to any invention described therein, free from all prior assignments, agreements, licenses, mortgages, or other encumbrances whatsoever, and having full right to convey the entire interest both legal and equitable herein assigned; and

WHEREAS, UNITED TECHNOLOGIES CORPORATION, of Hartford, Connecticut, a corporation of the State of Delaware (assignee) is desirous of acquiring the entire right, title and interest in and to said invention or inventions and any and all patents to be obtained therefor;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged by the undersigned, the undersigned does hereby sell, assign, transfer and set over unto said assignee, its successors and assigns, the entire right, title and interest in and to said invention or inventions, as described in the aforesaid application, in any form or embodiment thereof, and in and to the aforesaid application; and in and to any application filed in any foreign country based thereon, including the right to file said foreign applications under the provisions of the International Convention; also the entire right, title and interest in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions and any divisional, continuation, continuation-in-part or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and the undersigned hereby authorizes and requests the issuing authority to issue any and all patents on said application or applications to said assignee or its successors and assigns.

The undersigned further agrees, without any further payment or compensation by said assignee or its successors and assigns, to communicate to said assignee, its representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings whenever requested; testify in any interference or other legal proceedings, whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said assignee, its successors or assigns and nominees to obtain and enforce proper patent protection for said invention or inventions in this or any foreign country.

(L.S.)R. L. BUSBY	3/26/0/ Date
State of Falm Beach ) ss:	
On this day of Manch	nd known to me to be the person(s) who
Laura L Cook  MY COMMISSION # CC831499 EXPIRES  July 14, 2001  BONDED THRU TROY FAIN INSURANCE, INC	}

MY COMMISSION EXPIRES:

IN TESTIMONY WHEREOF, the undersigned has hereunto set his hand and seal

on the date after his signature.

PATENT REEL: 011743 FRAME: 0488

July 14, 2001

## **ASSIGNMENT**

WHEREAS, I, RICHARD M. MUNY, residing at 1613 Charleston Court, Florence, KY 41042, has invented certain improvements in BLADE TIP CLEARANCE PROBE, identified as Navy Case No. 80155 (F-8096), and described in a patent application executed by the undersigned on the 8<sup>th</sup> day of February, 2001, being owner of all right, title and interest in and to said application and in and to any invention described therein, free from all prior assignments, agreements, licenses, mortgages, or other encumbrances whatsoever, and having full right to convey the entire interest both legal and equitable herein assigned; and

WHEREAS, UNITED TECHNOLOGIES CORPORATION, of Hartford, Connecticut, a corporation of the State of Delaware (assignee) is desirous of acquiring the entire right, title and interest in and to said invention or inventions and any and all patents to be obtained therefor;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged by the undersigned, the undersigned does hereby sell, assign, transfer and set over unto said assignee, its successors and assigns, the entire right, title and interest in and to said invention or inventions, as described in the aforesaid application, in any form or embodiment thereof, and in and to the aforesaid application; and in and to any application filed in any foreign country based thereon, including the right to file said foreign applications under the provisions of the International Convention; also the entire right, title and interest in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions and any divisional, continuation, continuation-in-part or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and the undersigned hereby authorizes and requests the issuing authority to issue any and all patents on said application or applications to said assignee or its successors and assigns.

The undersigned further agrees, without any further payment or compensation by said assignee or its successors and assigns, to communicate to said assignee, its representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings whenever requested; testify in any interference or other legal proceedings, whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said assignee, its successors or assigns and nominees to obtain and enforce proper patent protection for said invention or inventions in this or any foreign country.

(L.S.) Julan M. Muny) RICHARD M. MUNY)	3/27/01 Date
State of OHIO ) ) ss: County of HAMILTON)	
County of HAMILTON)	
	2001, before me personally appeared onally known, and known to me to be the person(s) nment, and acknowledged the signing of same as
(Seal)	SCOTT E. RIEHLE  Notary Public, State of Ohio  My Commission Expires April 26, 2004

IN TESTIMONY WHEREOF, the undersigned has hereunto set his hand and seal

on the date after his signature.

RECORDED: 04/19/2001