Mail Stop: Assignment Recordation Services Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450



'.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

122942 Attorney Docket No.

		Please record the attached ori	ginal do	cumer	nt or copy thereof.
1.	A.	Name of conveying parties: 1) Paul William FERRA 2) John Andrew MYLEMANS	2.	•	Name and address of receiving party: ROLLS-ROYCE PLC 65 BUCKINGHAM GATE, LONDON GREAT BRITAIN SW1E 6AT
	B.	Additional name(s) of conveying party(ies) attached?  Yes No			
3.	A.	Nature of conveyance:		В.	Additional name(s) & address(es) attached?  ☐ Yes ☒ No
	$\boxtimes$	Assignment Merger			
		Security Agreement			
		Other			
	B.	Execution Date: 1) February 11, 2005 and 2) February 16, 2005			
4.	$\boxtimes$	This document is being filed together with a new application	cation.		
	A.	Patent Application No.(s)		B.	Patent No.(s)
		Additional numbers at	l tached?		Yes 🛛 No
	C.	Title of Application: <u>A MOUNTING ARRANGEMEN</u>	NT FOR	TUR	BINE BLADES
5.	Nar con	ne and address of party to whom correspondence cerning document should be mailed:	6.	Total	number of applications and patents involved: 1
	Na	ame: James A. Oliff	7.	Α.	Total fee (37 CFR 3.41)\$ 40.00
				<b>B</b> . 1	Enclosed (Check No. 164186)
,	Ac	ddress: OLIFF & BERRIDGE, PLC P.O. Box 19928 Alexandria, VA 22320	8.		it any overpayment or charge any underpayment sit account number 15-0461.
TOM	1	00000136 11068922 40.00 0P			
9.	To	tement and signature. the best of my knowledge and belief, the foregoing information original document.	nation	s true	and correct and any attached copy is a true cop 
	Jam	nes A. Oliff Registration No. 27,075			Date: March 2, 2005
		D. Morehouse Registration No. 38,565			er sheet, attachments, and document: 2

AS	SI	G١	W	Œľ	ľ	ľ
----	----	----	---	----	---	---

		(1)	PAUL WILLIAM FERRA	(5) _		
(1-8)	Insert	(2)	JOHN ANDREW MYLEMA	NS (6)		
	Name(s) of Inventor(s)	(3)		(7)		
		(4)		(8)		
			In consideration of the sum of the of the undersigned, each undersigned			
(9)	Insert Name of Assignee	(9)	Rolls-Royce pic		·	
(10)	Insert Address of Assignee	(10)	65 Buckingham Gate, Londo			
	Maaignee	` ′	rafter designated as the Assignee			
		the ent invent contin	ire right, title and interest for the ion, and in all applications for paration, international, confirmations, reissues and reexamination	United States of Aratent including any a on, substitute and rei	nerica as defined in 35 U nd all provisional, non-possue application(s), and a	J.S.C. §100, in the rovisional, divisional, all Letters Patent.
(11)	Insert	(11)	A MOUNTING ARRANGEM	MENT FOR TURBI	NE BLADES	
	Identification such as Title, Case		3334 KAW			
	Number, or Foreign Application Number	(Attor				
			ich the undersigned has (have) n date herewith or	executed an applica	tion for patent in the Un	nited States of America
(12)	Insert Date of Signing of	(12)	on			
	Application	(12)				
(13)	Alternative	(13)	U.S. application Serial Number	r		
	Identification for filed applications	filed				
claims reexam Patents full rig and agr	or provisions of the Internatio 4) Each undersigned agrees ination a grant of a valid Unit 5) Each undersigned author is of the United States resulting that to convey the entire interest rees that this assignment is bin 6) Each undersigned hereby ication that may be necessary	n obtaining to execute to perform to perform ed States fizes and from said herein as ding on herein the perform to perform the perform to the perform the performance of the performance	g evidence and going forward to all papers and documents an ention for Protection of Industry and affirmative acts which my patent to the Assignee. requests the Commissioner of the displication(s) to the said Assisgned, and that he has not exempt and his heirs, successors, and firm of OLIFF & BERRIDGE,	with such interferent diperform any act with the perform any act with the performance of the U.S. Patent and Tignee, as Assignee ocuted, and will not essigns and legal reproduct the power to in	ce.  hich may be necessary i ar agreements.  btain, maintain or confi  frademark Office to issu f the entire interest, and execute, any agreements resentatives.  sert on this assignment	in connection with irm by reissue or ue any and all Letters I covenants that he has in conflict herewith, any further
recorda	ation of this document.	. J. b 4b .				
Date	fal 1/th 201	•	undersigned on the date(s) o  Inventor Signature	• •	" <i>[</i> ]	and (CEAL)
Date	Feb 16th 201				lemans J.A.My	(SEAL)
-Date-					, , ,	
Date			Inventor Signature			(SEAL)
Date						`
Date			_	-		<del></del> ``
Date						
Date			Inventor Signature			
neither,	This assignment should prefethen it should be signed before	erably be e at least	signed before: (a) a Notary Put two witnesses who also sign he	lic if within the U.S		
Date	Feb 11th 2005	, <u>.</u> ,	Witness	Pariso	(c)	
Date	16TH FEBRUARY 2	005	Witness	1		
				MININU.	<i>-</i>	

PATENT REEL: 016349 FRAME: 0836

A	S	SI	G	W	Æ	N	Т

		(1)	PAUL WILLIAM FERRA	(5)		
8)	Insert	(2)	JOHN ANDREW MYLEMANS	_		-
-,	Name(s) of Inventor(s)	(3)				
	0, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	(4)				
		` ,	In consideration of the sum of one on the of the undersigned, each undersigned.	ioilar (\$1.00) and	other good and valuable	consideration paid
	Insert Name of	(0)	Rolls-Royce plc			
)	Assignee Insert Address of			UE CAT Court D	-14-1	
	Assignee	(10)	65 Buckingham Gate, London SW	TE 6A1, Great B	ritain	
		the en invent contin	nafter designated as the Assignee) and tire right, title and interest for the Uni ion, and in all applications for patent uation, international, confirmation, su ions, reissues and reexamination certi	ted States of Amer including any and ibstitute and reissu	ica as defined in 35 U.S. all provisional, non-prov e application(s), and all I	C. §100, in the isional, divisional, Letters Patent.
	Insert	(11)	A MOUNTING ARRANGEMEN	FOR TURBINE	BLADES	
	Identification such as Title, Case		3334 KAW			
	Number, or Foreign Application Number		ney Docket No.			
			ich the undersigned has (have) exected the date herewith or	uted an application	n for patent in the Unite	d States of America
	Insert Date of Signing of Application	(12)	on	···		
	Alternative	(13)	U.S. application Serial Number			
	Identification for	(/				
icati appl	pplications for the inv ons and patents as the 2) Each undersigned ication or continuation	ention, and any Assignee may agrees to execu or division the	ite all papers necessary in connection ereof, or any patent or reissue applications	with any applica o execute separate with any interfer ation based thereo	tion and any continuing e assignments in connec ence which may be decl	, divisional or tion with such ared concerning
icati appl Assig a	1) Each undersigned pplications for the invons and patents as the 2) Each undersigned ication or continuation gnee in every way poss 3) Each undersigned r provisions of the Inte 4) Each undersigned action a grant of a validation a grant of a validation a grant of a validation that United States resulted to convey the entire is the that this assignment (a) Each undersigned action that may be necession of this document.	agrees to execu- ention, and any Assignee may agrees to execu- n or division the sible in obtainin agrees to execu- ernational Conv agrees to perfor d United States authorizes and sulting from sain terest herein as- is binding on I hereby grants th ssary or desirab	ate all papers necessary in connection patent(s) issuing thereon, and also to deem necessary.  Ite all papers necessary in connection ereof, or any patent or reissue applicate all papers and documents and perfection for Protection of Industrial Premall affirmative acts which may be patent to the Assignee.  Ite all papers and documents and perfection for Protection of Industrial Premall affirmative acts which may be patent to the Assignee.  Ite all papers are documents and perfect all affirmative acts which may be patent to the Assignee.  It all affirmative acts which may be patent to the Assignee.  It all affirmative acts which may be patent to the Assignee.  It all affirmative acts which may be patent to the Assignee.  It all affirmative acts which may be patent to the Assignee.  It all affirmative acts which may be patent to the Assignee.  It all affirmative acts which may be patent to the Assignee.  It all affirmative acts which may be patent to the Assignee.  It all affirmative acts which may be patent to the Assignee.  It all affirmative acts which may be patent to the Assignee.  It all affirmative acts which may be patent to the Assignee.  It all affirmative acts which may be patent to the Assignee.  It all affirmative acts which may be patent to the Assignee.  It all affirmative acts which may be patent to the Assignee.	with any application execute separate with any interference, form any act whice operty or similar anecessary to obtate. S. Patent and Traction as Assignee of the light and will not execute power to insert of the United States.	tion and any continuing e assignments in connect ence which may be declen, for the invention, and h may be necessary in coagreements. in, maintain or confirm demark Office to issue a see entire interest, and cocute, any agreements in entatives. t on this assignment any es Patent and Trademark	divisional or tion with such ared concerning to cooperate with connection with by reissue or my and all Letters venants that he has conflict herewith.
icati appl Assig a	1) Each undersigned pplications for the invons and patents as the 2) Each undersigned ication or continuation gnee in every way poss 3) Each undersigned r provisions of the Inte 4) Each undersigned action a grant of a validation a grant of a validation a grant of a validation that United States resulted to convey the entire is the that this assignment (a) Each undersigned action that may be necession of this document.	agrees to execu- ention, and any Assignee may agrees to execu- n or division the sible in obtainin agrees to execu- ernational Conv agrees to perfor d United States authorizes and sulting from sain terest herein as- is binding on I hereby grants th ssary or desirab	the all papers necessary in connection patent(s) issuing thereon, and also to deem necessary.  It is all papers necessary in connection ereof, or any patent or reissue applicating evidence and going forward with seal papers and documents and periention for Protection of Industrial Premall affirmative acts which may be patent to the Assignee.  It is all papers and documents and periention for Protection of Industrial Premall affirmative acts which may be patent to the Assignee.  It is all papers necessary in connection of the U. dayplication(s) to the said Assignee.  It is all papers necessary in connection of the U. dayplication(s) to the said Assignee.  It is all papers necessary in connection of the U. dayplication(s) to the said Assignee.  It is all papers necessary in connection of the U. dayplication of the U.	with any applicate of execute separate with any interference, form any act whice operty or similar an eccessary to obtate. S. Patent and Trace, as Assignee of the land will not execute power to insert of the United State of the undersignate of execute of execute of the undersignate of execute of execute of the undersignate of execute of	tion and any continuing, e assignments in connectence which may be declen, for the invention, and h may be necessary in coagreements.  in, maintain or confirm demark Office to issue a neentire interest, and cocute, any agreements in entatives.  t on this assignment any es Patent and Trademark ed name(s).	divisional or tion with such ared concerning to cooperate with connection with by reissue or my and all Letters venants that he has conflict herewith.
icati appl Assig a	1) Each undersigned ipplications for the invons and patents as the 2) Each undersigned ication or continuation gnee in every way poss 3) Each undersigned reprovisions of the Inte 4) Each undersigned nation a grant of a valifies 5) Each undersigned for the United States resto convey the entire intest that this assignment 6) Each undersigned ation that may be necesion of this document.  In witness whereof, e	agrees to execute thin, and any Assignee may agrees to execute or division the sible in obtaining agrees to execute the sible in obtaining agrees to execute the sible in obtaining agrees to perform durited States authorizes and sulting from sainterest herein as its binding on I hereby grants the ssary or desirable executed by the same sible executed by the same sible executed by the same sible executed by the same same same sible executed by the same same same same same same same sam	ate all papers necessary in connection patent(s) issuing thereon, and also to deem necessary.  Ite all papers necessary in connection ereof, or any patent or reissue applicate all papers and documents and perfect all papers and documents and perfect all papers and documents and perfect all affirmative acts which may be patent to the Assignee.  Ite all affirmative acts which may be patent to the Assignee.  Ite all affirmative acts which may be patent to the Assignee.  Ite all affirmative acts which may be patent to the Assignee.  Ite all affirmative acts which may be patent to the Assignee.  Ite all affirmative acts which may be patent to the Assignee.  Ite all affirmative acts which may be patent to the Assignee.  Ite all papers necessary in connection and particular acts which are patent to the Assignee.  Ite all papers necessary in connection and particular acts which are patent and particular acts which are patent to the Assignee.  Item all affirmative acts which may be patent to the Assignee.  Item all affirmative acts which may be patent to the Assignee.  Item all affirmative acts which may be patent to the Assignee.  Item all affirmative acts which may be patent to the Assignee.  Item all affirmative acts which may be patent to the Assignee.  Item all affirmative acts which may be patent to the Assignee.  Item all affirmative acts which may be patent to the Assignee.  Item all affirmative acts which may be patent to the Assignee.  Item all affirmative acts which may be patent to the Assignee.  Item all affirmative acts which may be patent to the Assignee.  Item all affirmative acts which may be patent to the Assignee.  Item all affirmative acts which may be patent to the Assignee.  Item all affirmative acts which may be patent to the Assignee.  Item all affirmative acts which may be patent to the Assignee.  Item all affirmative acts which may be patent to the Assignee.  Item all affirmative acts which may be patent to the Assignee.  Item all affirmative acts and acts and acts and acts and acts and acts ac	with any application execute separate with any interferation based thereosuch interference. Form any act whice operty or similar anecessary to obtate. S. Patent and Tractians Assignee of the and will not execute power to insert of the United State of the undersignal William Ferra	tion and any continuing e assignments in connectence which may be declen, for the invention, and the may be necessary in configuration of the invention of the	divisional or tion with such ared concerning to cooperate with connection with by reissue or my and all Letters wenants that he has conflict herewith.
cati appl assig assig as or amir ats or ight agree dati	1) Each undersigned applications for the invons and patents as the 2) Each undersigned ication or continuation gnee in every way poss 3) Each undersigned ar provisions of the Inte 4) Each undersigned thation a grant of a validation and the same of the undersigned of the United States results that this assignment (a) Each undersigned attention that may be necession of this document.  In witness whereof, e	agrees to execute thin, and any Assignee may agrees to execute or division the sible in obtaining agrees to execute the sible in obtaining agrees to execute the sible in obtaining agrees to perform durited States authorizes and sulting from sainterest herein as its binding on I hereby grants the ssary or desirable executed by the same sible executed by the same sible executed by the same sible executed by the same same same sible executed by the same same same same same same same sam	te all papers necessary in connection patent(s) issuing thereon, and also to deem necessary.  Ite all papers necessary in connection ereof, or any patent or reissue applicate all papers and documents and periention for Protection of Industrial Premall affirmative acts which may be patent to the Assignee.  In the Assignee and that he has not executed application(s) to the said Assignee and that he has not executed application of OLIFF & BERRIDGE, PLC alle in order to comply with the rules of the undersigned on the date(s) oppositions.	with any applicate of execute separate with any interference, with any act whice operty or similar an eccessary to obtate of the control of t	tion and any continuing e assignments in connectence which may be declen, for the invention, and h may be necessary in configuration of the invention of the in	divisional or tion with such ared concerning to cooperate with connection with by reissue or my and all Letters venants that he has conflict herewith. If further to Office for (SEAL)
appl Assigns of amir of amir of ight agree dati	1) Each undersigned pplications for the invons and patents as the 2) Each undersigned ication or continuation gnee in every way poss 3) Each undersigned a provisions of the Inte 4) Each undersigned nation a grant of a validities of the United States rest to convey the entire it est that this assignment 6) Each undersigned ation that may be necesion of this document.  In witness whereof, each of the United States rest to convey the entire it est that this assignment 6. Each undersigned ation that may be necesion of this document.	agrees to execute thin, and any Assignee may agrees to execute or division the sible in obtaining agrees to execute the sible in obtaining agrees to execute the sible in obtaining agrees to perform durited States authorizes and sulting from sainterest herein as its binding on I hereby grants the ssary or desirable executed by the same sible executed by the same sible executed by the same sible executed by the same same same sible executed by the same same same same same same same sam	te all papers necessary in connection patent(s) issuing thereon, and also to deem necessary.  Ite all papers necessary in connection ereof, or any patent or reissue application gevidence and going forward with ste all papers and documents and perfect all papers and documents and perfect all affirmative acts which may be patent to the Assignee.  It all affirmative acts which may be patent to the Assignee.  It application(s) to the said Assignee assigned, and that he has not executed and his heirs, successors, assigns the firm of OLIFF & BERRIDGE, PLC all in order to comply with the rules of the undersigned on the date(s) opposite the incomplete in the lateral signature.  Inventor Signature Documents and also to a signature of the lateral signature.	with any applicate of execute separate with any interference, with any interference, form any act whice operty or similar an eccessary to obtate. S. Patent and Trace, as Assignee of the difference of the United State of the Un	tion and any continuing e assignments in connectence which may be declen, for the invention, and h may be necessary in configuration of the invention of the in	divisional or tion with such ared concerning to cooperate with connection with by reissue or my and all Letters wenants that he has conflict herewith. If further to Office for (SEAL)
icati appl Assig a	1) Each undersigned pplications for the invons and patents as the 2) Each undersigned ication or continuation gnee in every way poss 3) Each undersigned a provisions of the Inte 4) Each undersigned nation a grant of a validities of the United States rest to convey the entire it est that this assignment 6) Each undersigned ation that may be necesion of this document.  In witness whereof, each of the United States rest to convey the entire it est that this assignment 6. Each undersigned ation that may be necesion of this document.	agrees to execute thin, and any Assignee may agrees to execute the control of division the sible in obtaining agrees to execute the control of United States authorizes and the control of United States and the	te all papers necessary in connection patent(s) issuing thereon, and also to deem necessary.  Ite all papers necessary in connection ereof, or any patent or reissue applicate all papers and documents and perfection for Protection of Industrial Prim all affirmative acts which may be patent to the Assignee.  Inventor Signature	with any application execute separate with any interference from any act whice operty or similar anecessary to obtate. S. Patent and Traction as Assignee of the line of the United State	tion and any continuing e assignments in connectence which may be declen, for the invention, and h may be necessary in configuration of the invention of the in	divisional or tion with such ared concerning to cooperate with connection with by reissue or my and all Letters venants that he has conflict herewith.  Further Coffice for (SEAL)  (SEAL)  (SEAL)
icati appl Assig assig assig amir ats o ight agree dati	1) Each undersigned pplications for the invons and patents as the 2) Each undersigned ication or continuation gnee in every way poss 3) Each undersigned reprovisions of the Inte 4) Each undersigned pation a grant of a validation a grant of a validation a grant of a validation that this assignment is that this assignment 6) Each undersigned attion that may be necesson of this document.  In witness whereof, each undersigned is the undersigned attion that may be necesson of this document.	agrees to executention, and any Assignee may agrees to execute in obtaining agrees to execute the sible in obtaining agrees to execute the sible in obtaining agrees to perform duriting from sainterest herein agriculting from sainterest herein agriculture from s	te all papers necessary in connection patent(s) issuing thereon, and also to deem necessary.  Ite all papers necessary in connection ereof, or any patent or reissue application of a condection of Industrial Premall affirmative acts which may be patent to the Assignee.  Inventor Signature	with any applicate of execute separate with any interference, with any interference, form any act whice operty or similar an eccessary to obtate. S. Patent and Trace, as Assignee of the land will not execute power to insert of the United State of	tion and any continuing e assignments in connectence which may be declin, for the invention, and the may be necessary in configuration of the invention of the	divisional or tion with such ared concerning to cooperate with connection with the pressure or any and all Letters wenants that he has conflict herewith.  Further (SEAL)  (SEAL)  (SEAL)  (SEAL)
icati appl Assig a	1) Each undersigned pplications for the invons and patents as the 2) Each undersigned ication or continuation gnee in every way poss 3) Each undersigned a provisions of the Inte 4) Each undersigned nation a grant of a vali 5) Each undersigned for the United States rest to convey the entire intest that this assignment 6) Each undersigned ation that may be necesion of this document.  In witness whereof, each of the United States rest that this assignment is that this assignment is the state of the United States rest that the same in the same	agrees to execute thin, and any Assignee may agrees to execute the control of division the sible in obtaining agrees to execute the control of United States authorizes and the control of United States and	te all papers necessary in connection patent(s) issuing thereon, and also to deem necessary.  Ite all papers necessary in connection ereof, or any patent or reissue applicate all papers and documents and perfection for Protection of Industrial Primall affirmative acts which may be patent to the Assignee.  Inventor Signature	with any applicate of execute separate with any interference of the interference. Form any act whice operty or similar an eccessary to obtate it will not execute and legal represent the power to insert of the United State of t	tion and any continuing e assignments in connectence which may be declen, for the invention, and h may be necessary in configuration of the invention of the in	divisional or tion with such ared concerning to cooperate with connection with by reissue or my and all Letters venants that he has conflict herewith.  Further (SEAL)  (SEAL)  (SEAL)  (SEAL)  (SEAL)
icati appl Assig a	1) Each undersigned applications for the invons and patents as the 2) Each undersigned ication or continuation gnee in every way poss 3) Each undersigned ar provisions of the Inte 4) Each undersigned action a grant of a vality 5) Each undersigned of the United States rest to convey the entire in the state this assignment 6) Each undersigned action that may be necesion of this document.  In witness whereof, expending the United States whereof, expending the United States rest to convey the entire in the state of the United States rest to convey the entire in the state of the United States rest to convey the entire in the state of the United States rest to convey the entire in the state of the United States rest to convey the entire in the state of the United States rest to convey the entire in the state of the United States rest to convey the entire in the state of the United States rest to convey the entire in the United States rest to convey the entire in the states rest to convey the entir	agrees to execute thin, and any Assignee may agrees to execute the control of division the sible in obtaining agrees to execute the control of United States authorizes and the control of United States and	te all papers necessary in connection patent(s) issuing thereon, and also to deem necessary.  Ite all papers necessary in connection ereof, or any patent or reissue application of a condition of the patent of a condition of the patent of the Assignee.  Ite all papers and documents and perfect of the Protection of Industrial Promall affirmative acts which may be patent to the Assignee.  It application(s) to the said Assignee assigned, and that he has not executed application(s) to the said Assignee in and his heirs, successors, assigned in order to comply with the rules of the undersigned on the date(s) opposite undersigned on the date(s) opposite undersigned on the date(s) opposite Inventor Signature	with any applicate of execute separate with any interference. In with any interference, form any act whice operty or similar an eccessary to obtate as Assignee of the land will not execute power to insert of the United State o	tion and any continuing e assignments in connectence which may be declen, for the invention, and the may be necessary in confirmal enterests, and confirmal enterest, and confirmatives.  The property of the property	divisional or tion with such ared concerning to cooperate with connection with the pressure or any and all Letters wenants that he has conflict herewith.  (SEAL)  (SEAL)  (SEAL)  (SEAL)  (SEAL)  (SEAL)  (SEAL)
icati appl Assignas of	1) Each undersigned applications for the invons and patents as the 2) Each undersigned ication or continuation gnee in every way poss 3) Each undersigned a provisions of the Inte 4) Each undersigned nation a grant of a validation a grant of a validation a grant of a validation at the United States rest to convey the entire intest that this assignment 6) Each undersigned attion that may be necesion of this document.  In witness whereof, each of the United States whereof, each of the United States rest that this assignment attion that may be necesion of this document.	agrees to executention, and any Assignee may agrees to execute the sible in obtaining agrees to execute the sible in obtaining agrees to execute the sible in obtaining agrees to perform duriting from sain the sauthorizes and sulting from sain the same of the	te all papers necessary in connection patent(s) issuing thereon, and also to deem necessary.  Ite all papers necessary in connection ereof, or any patent or reissue application of a condition of the patent of a condition of the patent of the Assignee.  Ite all papers and documents and perfect of the Protection of Industrial Promall affirmative acts which may be patent to the Assignee.  It application(s) to the said Assignee assigned, and that he has not executed application(s) to the said Assignee in and his heirs, successors, assigned in order to comply with the rules of the undersigned on the date(s) opposite undersigned on the date(s) opposite undersigned on the date(s) opposite Inventor Signature	with any applicate of execute separate with any interference, in with any interference, form any act whice operty or similar anecessary to obtate as Assignee of the land will not exect and legal represent the power to insert of the United State o	tion and any continuing e assignments in connectence which may be declen, for the invention, and the may be necessary in coagreements.  In, maintain or confirm demark Office to issue a tentre interest, and cocute, any agreements in entatives.  It on this assignment any assignment and Trademark ed name(s).	divisional or tion with such ared concerning to cooperate with connection with by reissue or my and all Letters venants that he has conflict herewith.  further (SEAL)  (SEAL)  (SEAL)  (SEAL)  (SEAL)  (SEAL)  (SEAL)  (SEAL)
icati appl Assignas of the control o	1) Each undersigned applications for the invons and patents as the 2) Each undersigned ication or continuation gnee in every way poss 3) Each undersigned a provisions of the Inte 4) Each undersigned nation a grant of a validation a grant of a validation a grant of a validation at the United States rest to convey the entire intest that this assignment 6) Each undersigned attion that may be necesion of this document.  In witness whereof, each of the United States whereof, each of the United States rest that this assignment attion that may be necesion of this document.	agrees to executention, and any Assignee may agrees to execute the sible in obtaining agrees to perform dufting from sain the sain the sain terest herein as it is binding on the sain the sary or desirable executed by the execut	te all papers necessary in connection patent(s) issuing thereon, and also to deem necessary.  Ite all papers necessary in connection preced, or any patent or reissue applicating evidence and going forward with ste all papers and documents and perfect of the patent of Protection of Industrial Premall affirmative acts which may be patent to the Assignee.  Ite all papers and documents and perfect to the Assignee of the U.  It application(s) to the said Assignee of the U.  It application(s) to the said Assignee of the U.  It application(s) to the said Assignee of the U.  It application(s) to the said Assignee of the U.  It application(s) to the said Assignee of the U.  It application of the said Assignee of the U.  It application of the said Assignee of the U.  It application of the said Assignee of the U.  It application of the said Assignee of the U.  It application of the said Assignee of the U.  It application of the said Assignee of the U.  It application of the U.  Inventor Signature of the U.  Inventor Signa	with any application execute separate with any interferation based thereofuch interference. Form any act whice operty or similar anecessary to obtate as Assignee of the land will not exect and legal represent the power to insert of the United State of the United Sta	tion and any continuing e assignments in connectence which may be declen, for the invention, and the may be necessary in coagreements.  In, maintain or confirm demark Office to issue a tentre interest, and cocute, any agreements in entatives.  It on this assignment any assignment and Trademark ed name(s).	divisional or tion with such ared concerning to cooperate with connection with by reissue or my and all Letters venants that he has conflict herewith.  further (SEAL)  (SEAL)  (SEAL)  (SEAL)  (SEAL)  (SEAL)  (SEAL)  (SEAL)

**RECORDED: 03/02/2005** 

BEST AVAILABLE COPY

**REEL: 016349 FRAME: 0837**