AD 581-40

iAP19 Rec'd PET/PTO 02 JUL 2009

12/448737

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

07-08-2009

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	36371
	Attorney Docket No. 142044
Please record the attached or	riginal document or copy thereof.
 A. Name of conveying parties: David R. MCMURTRY Ian S. BENNELL B. Additional names of conveying parties attached?	2. A. Name and address of receiving party: RENISHAW PLC NEW MILLS WOTTON-UNDER-EDGE GLOUCESTERSHIRE GL12 8JR UNITED KINGDOM B. Additional names & addresses attached?
3. A. Nature of conveyance:	□Yes ⊠ No
This document is being filed together with a new appl A. Patent Application No.(s)	B. Patent No.(s)
Additional numbers a	attached?
C. Title of Application: A SAMPLE POSITIONING	G STAGE AND METHOD OF OPERATION
 Name and address of party to whom correspondence concerning document should be mailed: Name: <u>James A. Oliff</u> Address: <u>OLIFF & BERRIDGE</u>, PLC P.O. Box 320850 Alexandria, VA 22320-4850 	 6. Total number of applications and patents involved: 1 7. A. Total fee (37 CFR 3.41)\$ 40.00 B. Enclosed (Check No. 219706) 8. Credit any overpayment or charge any underpayment to deposit account number 15-0461.
James A. Oliff, Registration No. 2/,075 Kipman T. Werking, Registration No. 60,187	rmation is true and correct and any attached copy is a true copy of 67/07/2009 MJAMA1 90000032 12449/737 91 Paiso Auly 2, 2009 s including cover sheet, attachments, and document: 2

PATENT REEL: 022926 FRAME: 0463

	Insert	(2)	Ian S Bennell	- MD+n noor-Interval 4 O / 5	Z _
•	Name(s) of Inventor(s)	(3)		Whisher a hellhin 03 ll	<u> </u>
		(4)	<u> </u>	(8)	
		to eac	ch of the undersigned, each undersigned ag	(\$1.00) and other good and valuable consideration prees to assign, and hereby does assign, transfer and	oaid set
	Insert Name of Assignee	(9)	RENISHAW PLC		
	Insert Address of Assignee	(10)	NEW MILLS, WOTTON-UNDER-EDO UNITED KINGDOM	GE, GLOUCESTERSHIRE GL12 8JR	
		the er inven divisi	tire right, title and interest for the United tion, and in all applications for patent incli	ignee's heirs, successors, assigns and legal representative States of America as defined in 35 U.S.C. §100, in tuding any and all provisional, non-provisional, application(s), and all Letters Patent, extensions, be granted on the invention known as	es, he
	Insert	(11)	A Sample Positioni	ng Stage And Method Of	. •
	Identification such as Title, Case	·	Operation (PC	T/GB 2008/000089)	
	Number, or Foreign Application Number	(Attor	ney Docket No. 142044		_)
			nich the undersigned has (have) executed a on date herewith or	n application for patent in the United States of Ame	rica
	Insert Date of				
	Signing of Application	(12)	on		
	Alternative	(13)	U.S. application Serial Number		
	Identification for filed applications	filed	July 2, 2009		
ation pli sig	1) Each undersigned agree pplications for the inventions and patents as the Assi 2) Each undersigned agree ication or continuation or difference in every way possible 3) Each undersigned agree provisions of the Internation	on, and any gnee may es to execu- livision the in obtaining to execu- onal Converse to perform	y patent(s) issuing thereon, and also to exe deem necessary. te all papers necessary in connection with the state of the	iny act which may be necessary in connection with	ith
allitic	1) Each undersigned agree pplications for the inventions and patents as the Assis 2) Each undersigned agree in every way possible 3) Each undersigned agree provisions of the Internati 4) Each undersigned agree ation a grant of a valid Unit 5) Each undersigned author from said application(s) to erest herein assigned, and the state of the said undersigned author to the said undersigned author to the said undersigned and the said undersigned and the said undersigned hereby the said undersigned the said undersigned hereby the said u	on, and any gnee may gnee may gnee may gnee may gnee may gneed in obtaining to onal Converted States wizes and the said A has he has so hers, su	reparent(s) issuing thereon, and also to exe- deem necessary. It all papers necessary in connection with ereof, or any patent or reissue application in gevidence and going forward with such in the all papers and documents and performa- ention for Protection of Industrial Property mall affirmative acts which may be neces- patent to the Assignee. The equests the Commissioner of Patents to is, assignee, as Assignee of the entire interest, not executed, and will not execute, any accessors, assigns and legal representatives the firm of OLIFF & BERRIDGE, PLC the po-	any interference which may be declared concerning passed thereon, for the invention, and to cooperate with number of the invention, and to cooperate with a coo	ith
ali di	1) Each undersigned agree pplications for the inventio ons and patents as the Assi 2) Each undersigned agree ication or continuation or denie in every way possible. 3) Each undersigned agree provisions of the Internati 4) Each undersigned agree ation a grant of a valid Unit 5) Each undersigned author from said application(s) to crest herein assigned, and that is binding on him and him to be ach undersigned herebation that may be necessary on of this document.	on, and any gnee may gnee may gnee may gnee may give it vision the in obtaining to execut onal Convers to perfor ited States and the said Ahat he has a heirs, su y grants the or desirab	patent(s) issuing thereon, and also to exe deem necessary. Ite all papers necessary in connection with recof, or any patent or reissue application in gevidence and going forward with such it te all papers and documents and performatention for Protection of Industrial Property mall affirmative acts which may be necessatent to the Assignee. requests the Commissioner of Patents to is a signee, as Assignee of the entire interest not executed, and will not execute, any agreessors, assigns and legal representatives the firm of OLIFF & BERRIDGE, PLC the pole in order to comply with the rules of the	any interference which may be declared concerning passed thereon, for the invention, and to cooperate with the invention, and to cooperate with the invention of the invention, and to cooperate with the invention of the invention the in	ith
ali ig	1) Each undersigned agree pplications for the inventions and patents as the Assi 2) Each undersigned agree in every way possible 3) Each undersigned agree provisions of the Internati 4) Each undersigned agree ation a grant of a valid Unit 5) Each undersigned authors in the provision of the internati 4 and a polication a grant of a valid Unit 5) Each undersigned authors in the provision of the internation and application (s) to erest herein assigned, and the is binding on him and him is binding on him and hi	on, and any gnee may gnee may gnee may gnee may give it vision the in obtaining to execut onal Convers to perfor ited States and the said Ahat he has a heirs, su y grants the or desirab	patent(s) issuing thereon, and also to exe deem necessary. Ite all papers necessary in connection with recof, or any patent or reissue application in gevidence and going forward with such it te all papers and documents and performatention for Protection of Industrial Property and all affirmative acts which may be necessared to the Assignee. The requests the Commissioner of Patents to is a saignee, as Assignee of the entire interest not executed, and will not execute, any accessors, assigns and legal representatives the firm of OLIFF & BERRIDGE, PLC the pole in order to comply with the rules of the undersigned on the date(s) opposite the	any interference which may be declared concerning passed thereon, for the invention, and to cooperate with the invention, and to cooperate with the invention of the invention of the connection with the programments. The invention of the united States and covenants that he has full right to convey the presents in conflict herewith, and agrees that this the insert on this assignment any further united States Patent and Trademark Office for undersigned name(s).	ith
li g	1) Each undersigned agree pplications for the inventions on and patents as the Assi 2) Each undersigned agree cation or continuation or dense in every way possible 3) Each undersigned agree provisions of the Internati 4) Each undersigned agree ation a grant of a valid Unit 5) Each undersigned author from said application(s) to erest herein assigned, and that is binding on him and him is binding on him and him is binding on the encessary on of this document. In witness whereof, executive 24 1 1 8 4 1 8 1 8	on, and any gnee may gnee may gnee may gnee may gnee may gneed in obtaining the states on all Converse to perform the States which is a said A hat he has sheirs, sury grants the or desirable.	repatent(s) issuing thereon, and also to exeder necessary. Ite all papers necessary in connection with ereof, or any patent or reissue application in gevidence and going forward with such it all papers and documents and performatention for Protection of Industrial Propert in all affirmative acts which may be necess patent to the Assignee. The requests the Commissioner of Patents to is assignee, as Assignee of the entire interest not executed, and will not execute, any accessors, assigns and legal representatives the firm of OLIFF & BERRIDGE, PLC the pole in order to comply with the rules of the undersigned on the date(s) opposite the Inventor Signature	any interference which may be declared concerning passed thereon, for the invention, and to cooperate with number of the invention, and to cooperate with the processor of the invention, and to cooperate with the processor of the invention	ith
li g	1) Each undersigned agree pplications for the inventions and patents as the Assi 2) Each undersigned agree in every way possible 3) Each undersigned agree provisions of the Internati 4) Each undersigned agree ation a grant of a valid Unit 5) Each undersigned authors in the provision of the internati 4 and a polication a grant of a valid Unit 5) Each undersigned authors in the provision of the internation and application (s) to erest herein assigned, and the is binding on him and him is binding on him and hi	on, and any gnee may gnee may gnee may gnee may gnee may gneed in obtaining the states on all Converse to perform the States which is a said A hat he has sheirs, sury grants the or desirable.	patent(s) issuing thereon, and also to exe deem necessary. Ite all papers necessary in connection with recof, or any patent or reissue application in gevidence and going forward with such it te all papers and documents and performatention for Protection of Industrial Property mall affirmative acts which may be necessatent to the Assignee. requests the Commissioner of Patents to is a signee, as Assignee of the entire interest not executed, and will not execute, any accessors, assigns and legal representatives to firm of OLIFF & BERRIDGE, PLC the pole in order to comply with the rules of the undersigned on the date(s) opposite the Inventor Signature Inventor Signature	any interference which may be declared concerning passed thereon, for the invention, and to cooperate with the invention, and to cooperate with the invention of the invention, and to cooperate with the invention of the invention of the United States and covenants that he has full right to convey the presents in conflict herewith, and agrees that this were to insert on this assignment any further United States Patent and Trademark Office for the invention of the invention	ith
li g	1) Each undersigned agree pplications for the inventions on and patents as the Assi 2) Each undersigned agree cation or continuation or dense in every way possible 3) Each undersigned agree provisions of the Internati 4) Each undersigned agree ation a grant of a valid Unit 5) Each undersigned author from said application(s) to erest herein assigned, and that is binding on him and him is binding on him and him is binding on the encessary on of this document. In witness whereof, executive 24 1 1 8 4 1 8 1 8	on, and any gnee may gnee may gnee may gnee may gnee may gneed in obtaining the states on all Converse to perform the States which is a said A hat he has sheirs, sury grants the or desirable.	patent(s) issuing thereon, and also to exe deem necessary. Ite all papers necessary in connection with recof, or any patent or reissue application in gevidence and going forward with such it te all papers and documents and performatention for Protection of Industrial Property mall affirmative acts which may be necessatent to the Assignee. requests the Commissioner of Patents to is a signee, as Assignee of the entire interest not executed, and will not execute, any accessors, assigns and legal representatives to firm of OLIFF & BERRIDGE, PLC the pole in order to comply with the rules of the undersigned on the date(s) opposite the Inventor Signature Inventor Signature	any interference which may be declared concerning passed thereon, for the invention, and to cooperate with number of the invention, and to cooperate with the processor of the invention, and to cooperate with the processor of the invention	ith
li g	1) Each undersigned agree pplications for the inventions on and patents as the Assi 2) Each undersigned agree cation or continuation or dense in every way possible 3) Each undersigned agree provisions of the Internati 4) Each undersigned agree ation a grant of a valid Unit 5) Each undersigned author from said application(s) to erest herein assigned, and that is binding on him and him is binding on him and him is binding on the encessary on of this document. In witness whereof, executive 24 1 1 8 4 1 8 1 8	on, and any gnee may est to executive in obtaining to execution the interest on all Convicted States orizes and the said A hat he has is heirs, sury grants the or desirable the said A hat he has is heirs, sury grants the or desirable the said A hat he has is heirs, sury grants the or desirable the said A hat he has is heirs, sury grants the or desirable the said A hat he has is heirs, sury grants the or desirable the said A hat he has is heirs, sury grants the or desirable the said A hat he has is heirs, sury grants the or desirable the said A hat he has is heirs, sury grants the or desirable the said A hat he has is heirs, sury grants the or desirable the said A hat he has is heirs, sury grants the order than the said A hat he has is heirs, sury grants the order than the said A hat he has is heirs, sury grants the order than the said A hat he has is heirs, sury grants the order than the said A hat he has is heirs, sury grants the order than the said A hat he has is heirs, sury grants the order than the said A hat he has is heirs, sury grants the order than the said A hat he has is heirs, sury grants the order than the said A hat he has is heirs, sury grants the order than the said A hat he has hat he has is heirs, sury grants the order than the said A hat he has he has he has he hat he has he has he had	repatent(s) issuing thereon, and also to exeder necessary. Ite all papers necessary in connection with recof, or any patent or reissue application in gevidence and going forward with such it all papers and documents and performatention for Protection of Industrial Propert mall affirmative acts which may be necesspatent to the Assignee. The requests the Commissioner of Patents to issignee, as Assignee of the entire interest not executed, and will not execute, any accessors, assigns and legal representatives the firm of OLIFF & BERRIDGE, PLC the pole in order to comply with the rules of the undersigned on the date(s) opposite the Inventor Signature Inventor Signature Inventor Signature	any interference which may be declared concerning passed thereon, for the invention, and to cooperate with the invention, and to cooperate with the invention of the invention, and to cooperate with the invention of the invention of the United States and covenants that he has full right to convey the presents in conflict herewith, and agrees that this were to insert on this assignment any further United States Patent and Trademark Office for the invention of the invention	ith
li g	1) Each undersigned agree pplications for the inventions and patents as the Assis (2) Each undersigned agree in every way possible (3) Each undersigned agree provisions of the Internation a grant of a valid Unit (5) Each undersigned author from said application(s) to erest herein assigned, and the is binding on him and him (6) Each undersigned herebation that may be necessary on of this document.	on, and any gnee may est to executivision the in obtaining to executional Converse to perform the States where and the said A hat he has she ins, sury grants the or desirable.	reparent(s) issuing thereon, and also to exedere necessary. Ite all papers necessary in connection with ereof, or any patent or reissue application in gevidence and going forward with such it e all papers and documents and performance to the formative acts which may be necessare to the Assignee. The requests the Commissioner of Patents to is assignee, as Assignee of the entire interest not executed, and will not execute, any appropriate to form the firm of OLIFF & BERRIDGE, PLC the pole in order to comply with the rules of the undersigned on the date(s) opposite the Inventor Signature Inventor Signature Inventor Signature Inventor Signature Inventor Signature	any interference which may be declared concerning passed thereon, for the invention, and to cooperate with the invention, and to cooperate with the invention of the invention, and to cooperate with the invention of the invention of the connection with the invention of the invention with the invention of the invention of the invention of the united States and covenants that he has full right to convey the remember in conflict herewith, and agrees that this invertool insert on this assignment any further united States Patent and Trademark Office for invention of the invention of	ith
li g	1) Each undersigned agree pplications for the inventions and patents as the Assi 2) Each undersigned agree cation or continuation or denie in every way possible 3) Each undersigned agree provisions of the Internati 4) Each undersigned agree ation a grant of a valid Unit 5) Each undersigned author from said application(s) to erest herein assigned, and that is binding on him and his 6) Each undersigned herebution that may be necessary on of this document. In witness whereof, executing the policy of the said application and the said application that may be necessary on of this document.	on, and any gnee may es to execute the said A hat he has is heirs, su y grants the or desirab	repatent(s) issuing thereon, and also to exedere necessary. Ite all papers necessary in connection with recof, or any patent or reissue application in gevidence and going forward with such it to all papers and documents and performatention for Protection of Industrial Property and affirmative acts which may be necessatent to the Assignee. The requests the Commissioner of Patents to is saignee, as Assignee of the entire interest not executed, and will not execute, any accessors, assigns and legal representatives firm of OLIFF & BERRIDGE, PLC the pole in order to comply with the rules of the undersigned on the date(s) opposite the Inventor Signature Inventor Signature Inventor Signature Inventor Signature Inventor Signature	any interference which may be declared concerning passed thereon, for the invention, and to cooperate with the invention, and to cooperate with the invention of the invention, and to cooperate with the invention of the invention of the connection with yor similar agreements. It is a sary to obtain, maintain or confirm by reissue or sue any and all Letters Patents of the United States and covenants that he has full right to convey the remembers in conflict herewith, and agrees that this were to insert on this assignment any further United States Patent and Trademark Office for United States Patent and Trademark Office for (SEAL) (SEAL) (SEAL)	ith
li g	1) Each undersigned agree pplications for the inventions and patents as the Assi 2) Each undersigned agree ication or continuation or dense in every way possible 3) Each undersigned agree provisions of the Internati 4) Each undersigned agree ation a grant of a valid Unit 5) Each undersigned author from said application(s) to erest herein assigned, and that is binding on him and him is binding on the ition that may be necessary on of this document. In witness whereof, executing the property of the said application is a signed and the continuation of the said application is a signed and the continuation of the said application of the said ap	on, and any gnee may est to executivision the in obtaining to executional Converse to perform the States where and the has sheirs, sury grants the or desirable.	repatent(s) issuing thereon, and also to exeder necessary. Ite all papers necessary in connection with recof, or any patent or reissue application in gevidence and going forward with such it all papers and documents and performance to the papers and documents and performance and affirmative acts which may be necessatent to the Assignee. The requests the Commissioner of Patents to is assignee, as Assignee of the entire interest not executed, and will not execute, any approximate a sample of the commission of the control of the pole in order to comply with the rules of the undersigned on the date(s) opposite the laventor Signature Inventor Signature	any interference which may be declared concerning passed thereon, for the invention, and to cooperate with the invention, and to cooperate with the invention of the invention, and to cooperate with the invention of the invention with the invention with the invention with the invention of the invention with the invention of the united States and covenants that he has full right to convey the presents in conflict herewith, and agrees that this inverted States Patent and Trademark Office for the insert on this assignment any further for the invention of the invent	ith
li g	1) Each undersigned agree pplications for the inventions and patents as the Assi 2) Each undersigned agree cation or continuation or denie in every way possible 3) Each undersigned agree provisions of the Internati 4) Each undersigned agree ation a grant of a valid Uni 5) Each undersigned author from said application(s) to erest herein assigned, and that is binding on him and hi 6) Each undersigned herebution that may be necessary on of this document. In witness whereof, executing the said application of the said application of the said application that may be necessary on of this document.	on, and any gnee may es to execute the said A hat he has sheirs, su y grants the or desirab	repatent(s) issuing thereon, and also to exedere necessary. Ite all papers necessary in connection with recof, or any patent or reissue application in gevidence and going forward with such it to all papers and documents and performatention for Protection of Industrial Property in all affirmative acts which may be necessatent to the Assignee. The requests the Commissioner of Patents to is saignee, as Assignee of the entire interest not executed, and will not execute, any accessors, assigns and legal representatives firm of OLIFF & BERRIDGE, PLC the pole in order to comply with the rules of the undersigned on the date(s) opposite the laventor Signature Inventor Signature	any interference which may be declared concerning passed thereon, for the invention, and to cooperate with the invention of the invention, and to cooperate with the invention of the invention of the connection with the programments of the united States of the U	ith
a) distribution of the control of th	1) Each undersigned agree pplications for the inventions and patents as the Assi 2) Each undersigned agree cation or continuation or denie in every way possible 3) Each undersigned agree provisions of the Internati 4) Each undersigned agree ation a grant of a valid Unit 5) Each undersigned author from said application(s) to erest herein assigned, and that is binding on him and his 6) Each undersigned herebition that may be necessary on of this document. In witness whereof, executed the sassignment should prefet then it should be signed being the signed being the sassignment should prefet then it should be signed being the sassignment should prefet then it should be signed being the sassignment should prefet them it should be signed being the sassignment should prefet them it should be signed being the sassignment should prefet them it should be signed being the sassignment should prefet them it should be signed being the same same same same same same same sam	on, and any gnee may gneed to execut onal Converse to perfor ited States or ited States and the said A hat he has a heirs, su y grants the or desirable of the gneed by the graphy be serably be	repatent(s) issuing thereon, and also to exedere necessary. Ite all papers necessary in connection with recof, or any patent or reissue application and evidence and going forward with such it te all papers and documents and performatention for Protection of Industrial Property and affirmative acts which may be necessigned to the Assignee. The requests the Commissioner of Patents to is a saignee, as Assignee of the entire interest not executed, and will not execute, any accessors, assigns and legal representatives the firm of OLIFF & BERRIDGE, PLC the polle in order to comply with the rules of the undersigned on the date(s) opposite the laventor Signature Inventor Signature	any interference which may be declared concerning passed thereon, for the invention, and to cooperate with the invention of the invention, and to cooperate with the invention of the invention of the connection with the invention of the invention with the invention of the invention with the invention of the united States and covenants that he has full right to convey the presents in conflict herewith, and agrees that this exert to insert on this assignment any further funited States Patent and Trademark Office for the invention of the invention	ith
a) distribution of the control of th	1) Each undersigned agree pplications for the invention on and patents as the Assi 2) Each undersigned agree cation or continuation or dense in every way possible 3) Each undersigned agree provisions of the Internati 4) Each undersigned agree ation a grant of a valid Um 5) Each undersigned author from said application(s) to crest herein assigned, and that is binding on him and his binding on him and his Each undersigned herebation that may be necessary on of this document. In witness whereof, executed the assignment should prefet then it should be signed between the sassignment should prefet then it should be signed between the sassignment should prefet them it should be signed between the same and the signed between the sassignment should prefet them it should be signed between the same and the the	erably be safer at least	repatent(s) issuing thereon, and also to exedere necessary. Ite all papers necessary in connection with recof, or any patent or reissue application in gevidence and going forward with such it te all papers and documents and performatention for Protection of Industrial Property and affirmative acts which may be necessigned. The patents to the Assigned. The entire interest not executed, and will not execute, any accessors, assigns and legal representatives firm of OLIFF & BERRIDGE, PLC the pole in order to comply with the rules of the undersigned on the date(s) opposite the Inventor Signature	any interference which may be declared concerning passed thereon, for the invention, and to cooperate with the invention of the invention, and to cooperate with the invention of the invention of the connection with the invention of the invention with the invention of the invention with the invention of the united States and covenants that he has full right to convey the presents in conflict herewith, and agrees that this exert to insert on this assignment any further funited States Patent and Trademark Office for the invention of the invention	ith
a) distribution of the control of th	1) Each undersigned agree pplications for the inventions and patents as the Assi 2) Each undersigned agree cation or continuation or denie in every way possible 3) Each undersigned agree provisions of the Internati 4) Each undersigned agree ation a grant of a valid Unit 5) Each undersigned author from said application(s) to erest herein assigned, and that is binding on him and his 6) Each undersigned herebition that may be necessary on of this document. In witness whereof, executed the sassignment should prefet then it should be signed being the signed being the sassignment should prefet then it should be signed being the sassignment should prefet then it should be signed being the sassignment should prefet them it should be signed being the sassignment should prefet them it should be signed being the sassignment should prefet them it should be signed being the sassignment should prefet them it should be signed being the same same same same same same same sam	erably be safer at least	repatent(s) issuing thereon, and also to exedere necessary. Ite all papers necessary in connection with recof, or any patent or reissue application and evidence and going forward with such it te all papers and documents and performatention for Protection of Industrial Property and affirmative acts which may be necessigned to the Assignee. The requests the Commissioner of Patents to is a saignee, as Assignee of the entire interest not executed, and will not execute, any accessors, assigns and legal representatives the firm of OLIFF & BERRIDGE, PLC the polle in order to comply with the rules of the undersigned on the date(s) opposite the laventor Signature Inventor Signature	any interference which may be declared concerning passed thereon, for the invention, and to cooperate with the invention of the invention, and to cooperate with the invention of the invention of the connection with the invention of the invention with the invention of the invention with the invention of the united States and covenants that he has full right to convey the presents in conflict herewith, and agrees that this exert to insert on this assignment any further funited States Patent and Trademark Office for the invention of the invention	ith
application of the second of t	1) Each undersigned agree pplications for the inventions and patents as the Assi 2) Each undersigned agree ication or continuation or drawe in every way possible 3) Each undersigned agree provisions of the Internati 4) Each undersigned agree ation a grant of a valid Uni 5) Each undersigned author from said application(s) to crest herein assigned, and that is binding on him and his 6) Each undersigned herebution that may be necessary on of this document. In witness whereof, executed the it should be signed before the it s	on, and any gnee may gneed to execut on all Convisto perfor ited States for izes and the said A hat he has is heirs, su y grants the or desirable can be granted by the grant gneed gne	repatent(s) issuing thereon, and also to exedere necessary. Ite all papers necessary in connection with recof, or any patent or reissue application and evidence and going forward with such it te all papers and documents and performatention for Protection of Industrial Property and affirmative acts which may be necessigned. The patents to the Assigned. The patents to the Assigned of the entire interest not executed, and will not execute, any accessors, assigns and legal representatives firm of OLIFF & BERRIDGE, PLC the pole in order to comply with the rules of the undersigned on the date(s) opposite the Inventor Signature	any interference which may be declared concerning passed thereon, for the invention, and to cooperate with the invention of the invention, and to cooperate with the invention of the invention of the connection with the invention of the invention with the invention of the invention with the invention of the united States and covenants that he has full right to convey the presents in conflict herewith, and agrees that this exert to insert on this assignment any further funited States Patent and Trademark Office for the invention of the invention	ith

RECORDED: 07/02/2009

PATENT REEL: 022926 FRAME: 0464