# Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:			NEW ASSIGNMENT				
NATURE OF CONVEYANCE:			ASSIGNMENT				
CONVEYING PARTY DATA							
N			lame	Execution Date			
Gleb M. Akselrod				11/17/2004			
Mark S. Akselrod				11/17/2004			
R. Craig Yoder				11/17/2004			
RECEIVING PARTY DATA							
Name:	Landauer, Inc.						
Street Address:	2 Science Road						
City:	Glenwood						
State/Country:	ILLINOIS						
Postal Code:	60245						
PROPERTY NUMBERS Total: 1							
Property Ty	уре		Number				
Application Number: 1099		10991	456				
CORRESPONDENCE DATA							
Fax Number:	(703)59	1-5907		5			
			hen the fax attempt is unsuccessful.				
Phone: 703-591-2664							
Email: mail@jagtiani.com							
Correspondent Name:Ajay A. JagtianiAddress Line 1:10363-A Democracy Lane							
Address Line 1: T0363-A Democracy Lane Address Line 4: Fairfax, VIRGINIA 22030							
ATTORNEY DOCKET NUMBER:			LAND-0007-UT1				
NAME OF SUBMITTER:			Ajay A. Jagtiani				
Total Attachments: 3 source=LAND-0007-UT1 10,991,456 (GMA)#page1.tif source=LAND-0007-UT1 10,991,456 (MSA)#page1.tif PATENT							

## 500135826

UTILITY

#### ASSIGNMENT

WHEREAS, GERD M. ARRELEOD, whose post office sidness appears below (hattination referred to an Associate), has invested watain new and special improvements in a DETECTION OF NEUTRONS AND HEAVY CHARCED PARTICLES (hereitafter referred to us The Investion) for which an application for United States Laters Falsaces a field;

WHEREAS, LANDAUSE, INCORPORATED what post office address is 2 Science Road, Glanwood, Blinds - 60425, (have inside referred to sea Additioner), is desirous of ecquiring the onice right, this and interest in and to the same in the United States and throughout the world:

NOW, THEREPORE, for good and valuable consideration, receipt of which is hereby acknowledged. Astronon, by these presents does sell, assign and rensfor unto said Astronom, the entire right, this and interest in and to said invention and application throughout the United States of America, including any and all United States Letters Patens granted on any division, continuation, continuation-in-part and release of said application; and the antire right, this and interest in and to taid invention throughout the world, including the right to apply for patents and inventor contributes in respect thereof and to claim priority pursuant to rights accorded America under the terms of the Parig International Convention and all other available international conventions and coulds; and the entire right, sith and interest in and to any and all patents, patents of addition, utility models, patents of importation, sevalidation patents and inventor cartificates which may be granted throughout the world in respect of said invention.

ALSO, ASMONCE hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintanenes of said application or any other patent application(s) or inventor cantificate(s) in the United States and in foreign countries for said invention, including additional documents that may be required to affirm the rights of Assonse in and to said invention, all without further consideration. Assonors has agrees, without further consideration and at Assonatic appends, to identify and communicate to Assonate in a Assonate in a communicate to a complete and Assonate acquires and information concerning the invention that are within Assonate protection or control, and to provide further assurances and institution of Assonate for the protocol of Assonate in respect of the protocol on, maintenance and defense of any patent application or patent encompassed within the terms of this instrument.

Assigned agrees, without further consideration and at Assigned's argume, to transfer the right to sue for yeat infragrament to Assigned and an Assigned's request documents and information concerning the enforcement of the right to sue within Assigned and pointerion or control, and to provide further assurances and testimony on behalf of Assigned that lawfully may be required of Assigned in respect of the right to sub of any patent encompanied within the terms of this instrument.

ABBICINCH'S obligations under this instrument shall extend to ABBICINCH'S hairs, executors, administrators and other legal representatives.

Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordsticin of this document.

Assigned hareby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all United States Lensts Patent referred to above to Assigned of the antire right, titls and interest in and to the same, for Assigned and and behalf; and for the use and behalf of Assigned's legal representatives and successors, to the full and of the same for which such Letters Patent may be granted, as fully and entirely as the same would have been hold by Assigned that this satignment and use and have been hold by Assigned had this satignment and man hot been made.

Cieb M. Ainelrod 515 Wedgewood Drive Stillwater, Oklahoma 74075

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(Noinsteation professed but not required)

Before me personally appeared said \_\_\_\_\_\_ and acknowledges this instrument to be his (her) free act and deed this \_\_\_\_\_\_ day of \_\_\_\_\_\_

Notary Public

UTILITY LAND-0007-UTY

### ASSIGNMENT

WHEREAS, MARK S. AKSELROD, whose post office address appears below (heminafter referred to as Assignor), has invented certain new and useful improvements in a DETECTION OF NEUTRONS AND HEAVY CHARGED PARTICLES (hereinafter referred to as The Invention) for which an application for United States Letters Patent was filed;

WHEREAS, LANDAUER, INCORPORATED whose post office address is 2 Science Road, Glenwood, Hinois 60425, (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire right, title and interest in and to the same in the United States and throughout the world:

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, AssiGNOR, by these presents does sell, assign and transfer unto said AssiGNOR, the entire right, title and interest in and to said invention and application throughout the United States of America, including any and all United States Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application; and the entire right, title and interest in and to said invention throughout the world, including the right to apply for patents and invention excitingates in respect thereof and to claim priority pursuant to rights accorded Assignors under the terms of the Paris International Convention and all other available international conventions and realies; and the entire right, title and interest in and to any and all patents of addition, utility models, patents of importation, revalidation patents and inventor certificates which may be granted throughout the world in respect of said invention.

ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other parent application(s) or inventor certificate(s) in the United States and in foreign countries for said invention, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said invention, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNEE's request documents and information concerning the invention that are within ASSIGNOR's possession or control, and to provide further assumances and testimony on behalf of ASSIGNEE that lawfally may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument.

ASSIGNOR also agrees, without further consideration and at ASSIGNES's expense, to transfer the right to suc for past infringement to ASSIGNEE and at ASSIGNES's request documents and information concerning the enforcement of the right to sue within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the right to sue of any patent encompassed within the terms of this instrument.

Assumon's obligations under this instrument shall extend to Assumon's heirs, executors, administrators and other legal representatives.

Assignout's hereby grants the firm of lagtiani + Guttag of Fairfax, VA (Registration No. 35,205) the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Assignor hereby authorizes and requests the Commissioner of Patents and Tredemarks to issue any and all United States Letters Patent referred to above to Assigner of the entire right, title and interest in and to the same, for Assigner's sole use and behalf, and for the use and behalf of Assigner's legal representatives and successors, to the full and of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNER had this assignment and sale for been made.

Mark S. Akselrod 516 Wedgewood Drive Stillwater, Oklahoma 74075

process and sale put been white.	
Signature 11/17/2004	
Date	

(Notarisation preferred but not required)

Before me personally appeared said \_\_\_\_\_\_ and acknowledges this instrument to be his (her) free act and deed this \_\_\_\_\_\_ day of \_\_\_\_\_\_

Notary Public

UTILITY LAND-0007-UTY

### ASSIGNMENT

WHEREAS, R. CRAIG YODER, whose post office address appears below (hereinafter referred to as ASSIGNOR), has invented certain new and useful improvements in a DETECTION OF NEUTRONS AND HEAVY CHARGED PARTICLES (hereinafter referred to as THE INVENTION) for which an application for United States Letters Patent was filed;

WHEREAS, LANDAUER, INCORFORATED whose post office address is 2 Science Road, Gienwood, Illinois 60425, (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire right, title and interest in and to the same in the United States and throughout the world:

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR, by these presents does sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention and application throughout the United States of America, including any and all United States Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application; and the entire right, title and interest in and to said invention throughout the world, including the right to apply for patents and inventor certificates in respect thereof and to claim priority pursuant to rights accorded ASSIGNOR under the terms of the Paris International Convention and all other available international conventions and treaties; and the entire right, title and interest in and to any and all patents, patents of addition, utility models, patents of importation, revalidation patents and inventor certificates which may be granted throughout the world in respect of said invention.

ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) or inventor certificate(s) in the United States and in foreign countries for said invention, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said invention, all without further consideration. ASSIGNEE all documents and information concerning the invention that are within ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE's request documents and information concerning the invention that are within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument.

ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to transfer the right to sue for past infringement to ASSIGNEE and at ASSIGNEE's request documents and information concerning the enforcement of the right to sue within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the right to sue of any potent encompassed within the terms of this instrument.

ASSIGNOR'S obligations under this instrument shall extend to ASSIGNOR'S heirs, executors, administrators and other legal representatives.

Assignon's hereby grants the firm of Jagtiani + Guttag of Fairfax, VA (Registration No. 35,205) the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Assignor, hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all United States Leiters Patent referred to above to ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE'S sole use and behalf; and for the use and behalf of ASSIGNEE'S legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

R. Craig Yoder

2 Science Road

Glenwood, IL 60425

Rang yoda	
NOY 17 2004	<u>-</u>
Date	

, SSN

(Notarization preferred but not required)

Before me personally appeared said \_\_\_\_\_\_ and acknowledges this instrument to be his (her) free act

Notary Public

PATENT REEL: 018068 FRAME: 0039

**RECORDED: 08/08/2006**