REC

LUTR-0123 102012505 To The Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Richard L. Black 12/13/01 Name: Lutron Electronics Co., Inc. First Assignor Date of Execution Street Address: 7200 Suter Road Graham Christensen 12/12/01 Second Assignor City: Coopersburg Date of Execution Benjamin Aaron Johnson State Pennsylvania 12/13/01 ZIP 18036-1299 Third Assignor Date of Execution Additional name(s) & address attached? ()YES (X)NO Shawn L. Leichliter 12/13/01 Fourth Assignor Date of Execution 3. Nature of Conveyance (check only one): Robert C. Newman, Jr. 12/13/01 Fifth Assignor Date of Execution (X) New Assignment () Merger () License Agreement () Security Agreement Stephen Spencer Thompson 12/13/01 () Change of Name () Other: Sixth Assignor Date of Execution ()Cross-reference of Assignment filed in United States Chenming Wu 12/13/01 Application No._/__, recorded on____ at Reel No. ____and Frame No. Seventh Assignor Date of Execution Additional name(s) of conveying party(ies) attached? () YES (X) NO 4. Identification of Application number(s), patent number(s) OR date of execution of application to which assignment refers: Application Nos.: Patent Nos.: Date application was signed by the first named executing inventor 10/013,746, filed December 10, 2001 (Fill-in this date only if assignment is filed together with a new application) 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: 1 concerning documents should be mailed: Name: Jonathan M. Waldman 7. Total fee (37 CFR 3.41):.....\$40.00 WOODCOCK WASHBURN LLP (X) Enclosed One Liberty Place - 46th Floor () Authorized to be charged to Deposit Account Failadelphia, Pennsylvania 19103-7301 Number 23-3050 21:5-568-3100 3/11/2002 AAHMED1 00000082 10013746 8. Please charge any deficiency or credit any overpayment to Deposit Account Number 23-3050 40.00 DP L FC:581 DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. February 7, 2002 Jonathan M. Waldman, Reg. 40,861 Date Name of Person Signing/Reg. No. Total number of pages including cover sheet, assignment document and additional pages attached thereto: 10 Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks **Box Assignments** Washington, D.C. 20231

> PATENT REEL: 012648 FRAME: 0433

DOCKET NO.: LUTR-0123/01-176 P2

PATENT Joint Inventors

(Pending Application; Serial No. Unknown)

ASSIGNMENT

WHEREAS, we Richard L. Black; Graham Christensen; Benjamin Aaron Johnson; Shawn L. Leichliter; Robert C. Newman, Jr.; Stephen Spencer Thompson; Chenming Wu hereinafter referred to as the assignors, residing respectively at 2554 Lafayette Court, Gilbertsville, Pennsylvania 19525; 47 Boileau Court, Middletown, Maryland 21769; 29 Whitemarsh Lane, Lansdale, Pennsylvania 19446; 327 W. Johnson Street, Allentown, Pennsylvania 18103; 2955 Main Road East, Emmaus, Pennsylvania 18049; 1132 Dogwood Lane, Quakertown, Pennsylvania 18951 and 2612 Prospect Avenue #4, Allentown, Pennsylvania 18103 are the joint inventors of certain inventions or improvements for which we have made application for Letters Patent to the United States, identified as Case No. LUTR-0123/01-176 P2, entitled ELECTRONIC CONTROL SYSTEMS AND METHODS; and

WHEREAS, Lutron Electronics Co., Inc., hereinafter referred to as the assignee, of 7200 Suter Road, Coopersburg, Pennsylvania 18036-1299, a corporation of Pennsylvania, is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to the said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries:

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) to each of us in hand paid by said assignee, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said assignors, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over to said assignee, the entire right, title and interest in and to said inventions or improvements and said application and any and all continuations, divisions and renewals of and substitutes for said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, and assign to and authorize said assignee, to file in our names applications for Letters Patent in all countries, the same to be held and enjoyed by said assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

AND we hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent to said assignee, its successors, assigns, nominees, or legal representatives, and each of us agrees to communicate to said assignee or to its nominee all known facts respecting said inventions or

PATENT REEL: 012648 FRAME: 0434 improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid said assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries.

AND we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to said assignee, as assignee of the entire right, title and interest, any and all Letters Patent for said inventions or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

AND this Assignment may be executed in multiple counterparts, each of which shall be deemed to be an original of this Assignment. Additionally, we hereby authorize our attorneys to collect the signature pages of each executed counterpart and to attach those signature pages to a single copy of this instrument, which single copy and attached signature pages together shall constitute an original of this Assignment.

We further authorize and direct our attorneys to insert below* the serial number and filing date of said application now identified as Case No. LUTR-0123/01-176 P2 as soon as the same shall have been made known to them by the United States Patent Office.

IN WITNESS WHEREOF, we have hereunto set our hands and seals.

12/13/2001 (L.S.)
Date Richard L. Black

STATE OF Pennsylvama:

Notary Public

PATENT Joint Inventors

12/12/01 Date	July Chuster (L.S.) Graham Christensen
STATE OF <u>Pennsylvania</u> COUNTY OF <u>Lehil</u>	_: : SS :
the above named <u>Graham Chris</u> to be the same individual who execu	of <u>Occembos</u> , year of <u>red</u> , before me personally came stensen to me personally known and known to me uted the foregoing assignment, and who acknowledged to of that person's own free will for the use and purposes
Notarial Seal Susan V. Javier, Notary Publi Coopersburg Boro, Lehigh Cod My Commission Expires Dec. 29,	Notary Public

Date

Date

Dignin Garan (L.S.)

Benjamin Aaron Johnson

STATE OF <u>Pennsylvania</u>

COUNTY OF <u>Likeh</u>:

On this day of d

Notary Public

13 DECEMBER 2001 (L.S.) Date

STATE OF Pansylvania:

SS

COUNTY OF Lingh:

On this 13th day of December, year of 200'

On this 13th day of December, year of 200' the above named Shawn L. Leichliter to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.

PATENT Joint Inventors

STATE OF <u>Pennsylvama</u>: SS COUNTY OF <u>Lehizh</u>:

On this 13th day of <u>Nevember</u>, year of 200, before me personally came the above named <u>Robert C. Newman, Jr.</u> to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.

Date Stephen Spencer Thompson (L.S.)

STATE OF <u>Pennsylvania</u>: SS COUNTY OF <u>Leligh</u>:

On this 13Th day of <u>December</u>, year of 200, before me personally came the above named <u>Stephen Spencer Thompson</u> to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.

Notary Public

RECORDED: 02/26/2002

Dec 13, 2001	200 Du. (L.S.)
Date	Chenming Wu
the above named <u>Chenming W</u> the same individual who executed t	
	Notary Public Notarial Seal Rita M. Shovlin, Notary Public Coopersburg Boro, Lehigh County My Commission Expires Dec. 6, 2004
*The above	assignment covers application Serial No.
10/013,746, filed on <u>December</u>	0 11
The above in the property and the property and the property is a second	insertion made by me this <u>7th</u> day of <u>200</u> 2
of	WOODCOCK WASHBURN LLP Name: Jonathan M. Waldman Registration No. 40,861