SUBSTITUTE FORM PTO 1505 1-31-92 7-24-03 SUBSTITUTE FORM PTO 1505 SUBSTITUTE FORM PTO 1505	U.S. DEPARTMENT OF COMMERCE
To the Honorable Contrassion of Pa. 10250	9543
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):
Thomas M. Shearer Additional name(s) of conveying party(ies) attached I Yes I No 3. Nature of Conveyance: Image: Assignment I Assignment I Change of Name I Other: Image: Other: Image: See continuation sheet.	Lutron Electronics Co., Inc., 7200 Suter Road, Coopersburg, Pennsylvania 18036 Additional name(s) & addresses attached? Ves No
4. Application number Serial No. 10/392,105]
If this document is being filed together with a new application, the ex	ecution date of the application is
A. Patent Application No.(s)	B. Patent No.(s)
Additional numbers attached D Yes X No	
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Gregory J. Lavorgna Drinker Biddle & Reath LLP One Logan Square, 18 th and Cherry Sts. Philadelphia, PA 19103-6996	 7. Total fee (37 CFR 3.41) \$40.00 ⊠ Enclosed □ authorized to be charged to deposit account
Attorney Docket No. 6232-236 (178099)	8. Deposit Account Number: 50-0573
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9. To the best of my knowledge and belief, the foregoing information original document. GREGORY J. LAVORGNA Name of Person Signing Total number of pages including cover sheet, attachments, and docum	July 22, 2003 Tature Date
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Mail documents to be recorded with required cover sheet information	•
Commissioner of Pat	ents and Trademarks
Box 1450 Alexandria, VA 22313-1450	
OMB No. 0651-0011 (exp. 4/94) 07/25/2003 DEIMANUI 00000005 10392105	
02 FC:8021 40.00 DP	
PHIP\357714\1	PATENT
	REEL: 014309 FRAME: 0005

Continuation of Box 1 Additional names of conveying partyies

Venkatesh Chitta Brent M. Gawrys Robert C. Newman, Jr. Mark Taipale

Continuation of Box 3: Execution date

Thomas M. Shearer	June 4, 2003
Venkatesh Chitta	June 4, 2003
Brent M. Gawrys	June 25, 2003
Robert C. Newman, Jr.	July 14, 2003
Mark Taipale	June 4, 2003

<u>ASSIGNMENT</u>

WHEREAS, we, Thomas M. Shearer, Venkatesh Chitta, Brent M. Gawrys, Robert C. Newman Jr., and Mark Taipale, citizens of the United States of America, with respective post office addresses of 2098 Southampton Drive, Macungie, PA 18062, 2444 Mountain Lane, Apt. S-16, Allentown, PA 18103, 519 North 24th Street, Allentown, PA 18104, 2955 Main Road East, Emmaus, PA 18049, and 260 Brenton Circle, Harleysville, PA 19438, hereinafter generally referred to as "ASSIGNORS", have invented a certain new and useful

SINGLE-SWITCH ELECTRONIC DIMMING BALLAST,

for which we have executed an application for Letters Patent of the United States, filed on March 19, 2003, Serial No. 10/392,105, and

WHEREAS, Lutron Electronics Co., Inc, a Pennsylvania corporation having a place of business at 7200 Suter Road, Coopersburg, PA 18036-1299, hereinafter generally referred to as "ASSIGNEE", is desirous of acquiring said invention and said application for Letters Patent,

WHEREAS, now and at the time the invention was made, said invention was subject to an obligation by ASSIGNORS to assign their entire right, title and interest therein to ASSIGNEE.

NOW, THEREFORE, in consideration of the sum of One Dollar and other good and valuable executed consideration, the full receipt and sufficiency of all of which are hereby acknowledged, and intending to be legally bound hereby, we, the undersigned ASSIGNORS, hereby agree to sell, assign, transfer and convey and by these presents do sell, assign, transfer and convey unto the above-named ASSIGNEE, the whole and entire right, title and interest

> in and to said invention as described in the above application for Letters Patent, for the territory of the United States and its possessions and territories and all foreign countries, and

> in and to the above application for Letters Patent, including any continuing and/or divisional applications therefor, any provisional applications identified in the above application, and any and all United States Letters Patent which may be granted on said application(s) including reissues and reexaminations, and all foreign Letters Patent which may be granted on said invention, including reissues, extensions, renewals and reexaminations of such Letters Patent;

said invention, application and Letters Patent to be held and enjoyed by the above-named ASSIGNEE, for ASSIGNEE's own use and behoof, and for ASSIGNEE's legal representatives and assigns to the full end of the term or terms for which said Letters Patent may be granted, as fully and entirely as the same would have been held by the undersigned ASSIGNORS had this assignment and sale not been made; and for the aforesaid consideration ASSIGNORS hereby covenant, agree and undertake to execute, whenever requested by the above-named ASSIGNEE, all patent applications, assignments, lawful oaths and any other papers which ASSIGNEE may deem necessary or desirable for securing to ASSIGNEE or for maintaining for ASSIGNEE all the Letters Patent hereby assigned or agreed to be assigned; all without further compensation to the undersigned ASSIGNORS.

WE HEREBY authorize the above-mentioned ASSIGNEE or its legal representative to insert in this document the filing date and/or serial number of our aforesaid application or any other information that 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.

(L.S.) (L.S.) (L.S.) (L.S.) (L.S.)

State of Pennsylvania County of Lehigh

: ss :

Notary Public



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PATENT REEL: 014309 FRAME: 0008 Before me, a notary public, in and for the State and County aforesaid, on this 4^{++} day of 4^{++} , 2003 personally appeared Venkatesh Chitta, who being to me personally known, and who having first executed the foregoing instrument in my presence and having been by me first duly sworn, did acknowledge the foregoing instrument as his free deed and act, signed, sealed and delivered by him for the purpose therein stated and intending to be legally bound thereby and intending that said instrument be recorded.

Notarial Seal Rita M. Shovlin, Notary Public Coopersburg Boro, Lehigh County My Commission Expires Dec. 6, 2004

Before me, a notary public, in and for the State and County aforesaid, on this 35 day of 300, 2003 personally appeared Brent M. Gawrys, who being to me personally known, and who having first executed the foregoing instrument in my presence and having been by me first duly sworn, did acknowledge the foregoing instrument as his free deed and act, signed, sealed and delivered by him for the purpose therein stated and intending to be legally bound thereby and intending that said instrument be recorded.

lotarv Public Notarial Seal Rita M. Shovlin, Notary Public Coopersburg Boro, Lehigh County My Commission Expires Dec. 6, 2004

Before me, a notary public, in and for the State and County aforesaid, on this 14 day of 2003 personally appeared Robert C. Newman Jr., who being to me personally known, and who having first executed the foregoing instrument in my presence and having been by me first duly sworn, did acknowledge the foregoing instrument as his free deed and act, signed, sealed and delivered by him for the purpose therein stated and intending to be legally bound thereby and intending that said instrument be recorded.

Notary Public Notarial Seal

Before me, a notary public, in and for the State and County Aforesaid, on this day of first executed the foregoing instrument in my presence and having been by me first duly sworn, did acknowledge the foregoing instrument as his free deed and act, signed, sealed and delivered by him for the purpose therein stated and intending to be legally bound thereby and intending that said instrument be recorded.

Notary Public



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RECORDED: 07/24/2003

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PATENT REEL: 014309 FRAME: 0009