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U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

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1.16.01	10159	0439 Attorney Docket No.: 002349-0181		
To the Commissioner for Patents: Please record the attached original documents	or copy thereof.	ATTN: BOX ASSIGNMENT		
1. Name of conveying parties: Daniel CHAPLY Andrew Stephen HARAKAL, Jr. James E. CONLEY Additional name(s) of conveying party(ies) Yes No	ATTENDED TRADEMANT	Name and address of receiving party: Name: PPL Electric Utilities Corp. Internal Address: Two North Ninth Street Allentown, Pennsylvania 18101		
3. Nature of conveyance:		Street Address: Two North Ninth Street		
Assignment Security Agreement Other	_ Merger _ Change of Name	City: Allentown State: Pennsylvania Zip: 18101 Additional name(s) & address(es) attached?		
Execution Date: November 28 and November 29, 2000		Yes No		
4. Application number(s) or patent number(s): If this document is being filed together with a new application the execution date of the application is: Patent Application No. 09/707,961 filed November 8, 2000 Additional numbers attached: Yes No				
5. Name and address of party to whom concerning document should be mailed		6. Total number of applications and patents involved: 1		
Name: Mr. Robert J. Gayli Internal Address: Customer No. 0962 Morgan, Lewis & 1	29	7. Total fee (37 C.F.R §3.41):\$40.00 Enclosed Authorized to be charged to deposit account 50-0310		
Street Address: 1800 M Street, N.V. City: Washington State: D.C. Zi	W. ip: 20036	Deposit account number: 50-0310 Attach duplicate of page if paying by deposit account		
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.				
David J. Kenealy Name of Person Signing Signature January 16, 2001 Date				
Total number of pages including cover sheet, attachments and documents: 3 1/23/2001 DBYRNE 00000030 09707961				

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PATENT REEL: 011435 FRAME: 0756

JOINT INVENTION (Worldwide Rights)

ASSIGNMENT

WHEREAS We, the below named inventors, [hereinafter referred to as Assignors], have made an invention entitled:

LINE DEADEND STRUCTURE AND METHOD

for which WE executed an application for United States Letters Patent concurrently herewith; and

WHEREAS, PPL Electric Utilities Corp., a corporation of the state of Pennsylvania, whose post office address is Two North Ninth Street, Allentown, Pennsylvania 18 101 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, WE, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that WE have the full right to convey the interest assigned by this Assignment, and WE have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to US respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

AND, WE HEREBY authorize and request the attorneys empowered in the Power of Attorney by Assignee in this application, to insert here in parentheses (Application No. ______, filed ______) the filing date and application

County of	Daniel CHAPLY
•	Full Name of First Assignor
tate of	
	5526 Heather Lane, Orefield, Pennsylvania 1806
	SS. Address
ubscribed and sworn to before me	Jane (light
is day of, 2000.	First Assign as Signature
	11/28/2000
Notary Public	Date

Morgan, Lewis & Bockius LLP

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ATTORNEY DOCKET NO.: 002349-0181 ASSIGNMENT (Worldwide Rights) Page 2

County of State of	SS.	Andrew Stephen HARAKAL, Jr. Full Name of Second Assignor
Subscribed and sworn to before me this day of, 2000. Notary Public		Address Address Second Assignor's Signature 11/28/00 Date
County of		James E. CONLEY Full Name of Third Assignor
State of	SS.	538 East Main Street, Ephrata, Pennsylvania 17522-2508 Address
Subscribed and sworn to before me this day of, 2000.		Third Assignor's Signature
Notary Public		11/29/00 Date
Names of additional inventors attached [] Yes [*] No		

Morgan, Lewis & Bockius LLP

RECORDED: 01/16/2001

PATENT REEL: 011435 FRAME: 0758