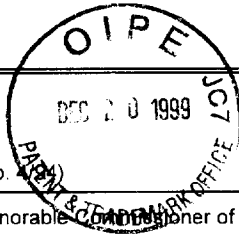


104

01-14-2000

Serial No. 09/273,148



FORM PTO-1595  
(Rev. 6-93)  
OMB No. 0651-0011 (exp. 1/98)

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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
98 P7523 US 02

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

Name of conveying party(ies) Petar Ristanovic  
Dr. Oladiran O. Obadina

mrs 12.20.99  
Additional name(s) of conveying party(ies) attached?  Yes  No

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

Execution Date: Petar Ristanovic June 22, 1999  
Dr. Oladiran O. Obadina July 6, 1999

2. Name and address of receiving party(ies)  
Name: Siemens Power Transmission And Distribution, LLC

Internal Address: \_\_\_\_\_

Street Address: 7000 Siemens Road

City: Wendell State: NC ZIP: 27591-8309

Additional name(s) & address(es) attached?  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: \_\_\_\_\_

A. Patent Application No.(s)

(09/273,148)

B. Patent No.(s)

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Elsa Keller

Internal Address: \_\_\_\_\_

Siemens Corporation

Intellectual Property Department

Street Address: 186 Wood Avenue South

City: Iselin State: NJ ZIP: 08830

6. Total number of applications and patents involved: one

7. Total Fee (37 CFR 3.41) ..... \$ 40.00

Enclosed

Authorized to be charged to deposit account

8. Deposit Account No.

19-2179

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.

Scott T. Weingaertner, Reg. No. 37,756

Name of Person Signing

Scott Weingaertner  
Signature

12/17/99  
Date

Total number of pages including cover sheet, attachments, and document: 4

01/13/2000 DNGUYEN 00000202 192179 09273148

01 FC:581 40.00 CH

PATENT  
REEL: 010512 FRAME: 0131

**ASSIGNMENT**

For good and valuable consideration, We, Petar Ristanovic, residing at 13901 89<sup>th</sup> Pl. N. Maple Grove, MN U.S.A., Citizen of U.S.A.; Dr. Oladiran O. Obadina, residing at 4220 Orchid Lane, Plymouth, MN 55446, Citizen of Nigeria; and Dr. Mohammed Aganagic, residing at 5301 Silver Point Way, San Jose, CA, 95138, Citizen of Bosnia;

Hereby sell, assign and transfer to Siemens Power Transmission And Distribution, LLC, a corporation organized and existing under the state laws of North Carolina, having its principal place of business at 7000 Siemens Road, Wendell North Carolina, 27591-8309, U.S.A., hereinafter "Assignee", its successors, assigns and legal representatives, the entire right, title and interest in and for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been filed with The United States Patent and Trademark Office, March 19, 1999, Serial No. 09/273,148, entitled:

**SECURITY CONSTRAINED OPTIMAL POWER FLOW METHOD**

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on said improvements;

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

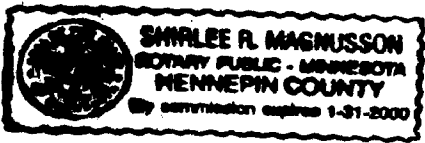
Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

06/22/1999  
Date

Petar Ristanovic (L.S.)  
Petar Ristanovic

State of MN  
County of Hennepin :SS

Before me this 22 day of June, 1999 personally appeared Petar Ristanovic, to me personally known to be the person who is described in and who executed the above instrument, and acknowledged to me that he executed the same of his own free will for the purpose therein set forth.



Shirlee R. Magnusson  
Notary Public

7/6/99  
Date

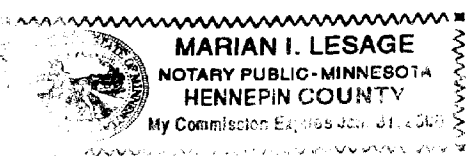
Dr. Oladiran O. Obadina (L.S.)  
Dr. Oladiran O. Obadina

State of MN  
County of Hennepin :SS

Before me this 7 day of July, 1999 personally appeared Dr. Oladiran O. Obadina, to me personally known to be the person who is described in and who executed the above instrument, and acknowledged to me that he executed the same of his own free will for the purpose therein set forth.

Marian I. Lesage  
Notary Public

[Seal]



\_\_\_\_\_ (L.S.)  
Date Dr. Mohammed Aganagic

State of )  
 ) :ss  
County of )

Before me this \_\_\_\_\_ day of \_\_\_\_\_, 1999 personally appeared Dr. Mohamed Aganagic, to me personally known to be the person who is described in and who executed the above instrument, and acknowledged to me that he executed the same of his own free will for the purpose therein set forth.

[Seal] \_\_\_\_\_  
Notary Public