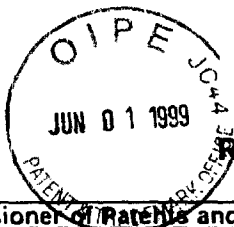


mao 6-1-99

FORM PTO-1619A
Expires 06/30/99
OMB 0651-0027

06-07-1999

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PATENT



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PATENT
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Correspondent Name and Address

Area Code and Telephone Number **727-772-4173**

Name **Thomas Stafford**

Address (line 1) **4173 Rotherham Court**

Address (line 2) **Palm Harbor, Florida 34685**

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Patent Number(s)

09/283,395

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

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Enter PCT application number
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1

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Fee Amount for Properties Listed (37 CFR 3.41): \$ **40.00**

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Thomas Stafford

Name of Person Signing

Signature

Date

PATENT

REEL: 009995 FRAME: 0255

ASSIGNMENT AND AGREEMENT

For value received, we, Nathan R. Belk, of Scotch Plains, in the County of Union and State of New Jersey and Michel Ranjit Frei, of Berkeley Heights, in the County of Union and State of New Jersey, hereby sell, assign and transfer to Lucent Technologies Inc., a corporation of the State of Delaware, having an office at 600 Mountain Avenue, Murray Hill, New Jersey 07974-0636, U.S.A., and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to entitled **METHOD AND APPARATUS FOR MODELING ELECTROMAGNETIC INTERACTIONS IN ELECTRICAL CIRCUIT METALIZATIONS TO SIMULATE THEIR ELECTRICAL CHARACTERISTICS** described in an application for Letters Patent of the United States Serial No. 09/283,395, filed April 1, 1999, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign and transfer to Lucent Technologies Inc. the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

We authorize Lucent Technologies Inc. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from me, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Lucent Technologies Inc. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said inventions be issued to Lucent Technologies Inc. in the United States and in all countries foreign to the United States, or to such nominees as Lucent Technologies Inc. may designate.

We agree that, when requested, we shall, without charge to Lucent Technologies Inc. but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.


Nathan R. Belk

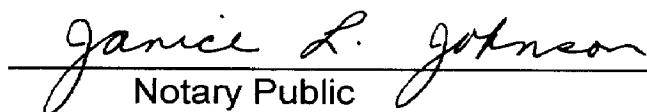
Date: MAY 19, 1999

United States of America, usa)

State of N. J.) ss.: 472-82-5410

County of MONMOUTH)

On this 19th day of MAY, 1999, before me personally came Nathan R. Belk, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.


Notary Public

JANICE L. JOHNSON
NOTARY PUBLIC, STATE OF NEW JERSEY
MY COMMISSION EXPIRES MARCH 06, 2002

Date: May 10th 1999

Michel Ranjit Frei
Michel Ranjit Frei

United States of America)

State of New Jersey) ss.:

County of Union)

On this 10 day of May, 1999, before me personally came Michel Ranjit Frei, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Annabelle L. Short
Notary Public

ANNABELLE L. SHORT
NOTARY PUBLIC OF NEW JERSEY USA
My Commission Expires Jan. 20, 2000

Lucent Technologies Inc.
600 Mountain Avenue (Room 3C-512)
P. O. Box 636
Murray Hill, New Jersey 07974-0636