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PATENT

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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office
Attorney Docket 4167-219CIP

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

1. Name of conveying party(ies):
Howard D. HELMS

10/31/01

2. Name and address of receiving party(ies):

Name: Lucent Technologies Inc.

Internal Address:

Street Address: 600 Mountain Avenue, P. O. Box 636

City: Murray Hill

State/Country: New Jersey

Zip: 07974-0636

JC675 U.S. PTO
09/999390
10/13/01

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Additional name(s) & address(es) attached? Yes No

Execution Date: October 25, 2001

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: October 25, 2001

A. Patent Application No.(s)
SN.:

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Edward M. Weisz

Internal Address: Cohen, Pontani, Lieberman & Pavane

Street Address: 551 Fifth Avenue, 12th Floor

City: New York State: New York Zip: 10176

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41):.....\$40.00

- Enclosed
- Authorized to be charged to deposit account

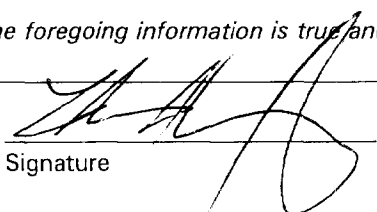
8. Deposit account number: 03-2412
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9. Statement and signature.

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.

Edward M. Weisz
Name of Person Signing
Reg. No. 37,257


Signature

October 31, 2001
Date

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

3

Mail documents to be recorded with required cover sheet information to:
Assistant Commissioner for Patents
Washington, D.C. 20231

12/07/2001 6TOM11 00000102 09999390
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PATENT
REEL: 012345 FRAME: 0440

ASSIGNMENT

In consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, I the undersigned, **Howard D. HELMS** (hereinafter referred to as "ASSIGNOR");

Hereby sell, assign and transfer to **Lucent Technologies Inc.** (hereinafter referred to as "ASSIGNEE"), a corporation of Delaware having a place of business at 600 Mountain Avenue, P. O. Box 636, 07974-0636 Murray Hill, New Jersey, its successors, assigns and legal representatives, the entire right, title and interest 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 is a Continuation-in-Part Application of Application Serial No. 09/801,519, which was filed on March 8, 2001, which is a continuation of Application Serial No. 09/421,867, which was filed on October 19, 1999** and is entitled

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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 issued 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

