

10-20-1998

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To the Honorable Commissioner of Patents a

original documents or copy thereof.

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1. Name of conveying party(ies):

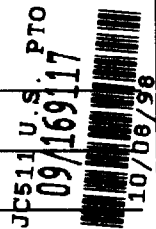
Albert Holliday

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

receiving party(ies):

Name: Lucent Technologies Inc.

Internal Address:



3. Nature of conveyance:

10-8-98

- (X) Assignment () Merger
() Security Agreement () Change of Name
() Other

Execution Date: September 29, 1998

Street Address: 600 Mountain Avenue

P.O. Box 636

City: Murray Hill State: New Jersey ZIP: 07974-0636

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

4. Application number(s) or patent number(s):

09 169117

If this document is being filed together with a new application, the execution date of the application is: September 29, 1998

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached: () Yes () No

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

Name: William H. Murray, Esq.

Internal Address:

Street Address: Duane, Morris & Heckscher LLP

One Liberty Place

City: Philadelphia State: PA ZIP: 19103-7396

6. Total number of applications and patents involved: (1)

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

- () Enclosed
(X) Authorized to be charged to deposit account

8. Deposit account number:

12-2325

(Attach duplicate copy of this page if paying by deposit account)

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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 if a true copy of the original document.

Steven E. Koffs, Reg. No. 37,163

Signature: Steven E. Koffs Date: October 8, 1998

Total number of pages including cover sheet, attachments, and document (3)

*Case name: Holliday 5

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks, Box Assignments Washington, D.C. 20231

ASSIGNMENT AND AGREEMENT

For value received, I **Albert Holliday**, of **Langhorne** in the County of Bucks and State of Pennsylvania, hereby sell, assign and transfer to Lucent Technologies Inc., a corporation of the State of Delaware, having an office at 600 Mountain Avenue, P.O. Box 636, 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 a **METHOD AND APPARATUS FOR DETECTING A SOLDER BRIDGE IN A BALL GRID ARRAY**, described in an application for Letters Patent of the United States, executed by me of even date herewith, 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 I 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.

I 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.

I 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.

I 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.

I agree that, when requested, I 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.

Albert Holliday
Albert Holliday

Date: 9/29/98

United States of America)

State of New Jersey)ss:

County of Mercer)

On this 29th day of September, 19 98, before me personally came **Albert Holliday** to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Helen A. Corboy
Notary Public

HELEN A CORBOY
NOTARY PUBLIC, State of New Jersey
My Commission Expires June 25, 1999