

7-18-05

RECORDATION FOR

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To the Honorable Commissioner of Patents and Trademark

its or copy thereof.

Name of conveying party(ies):

f receiving party(ies):

Christopher I. Reynolds  
Donald Heckathorn  
Michael Perlmutter  
Ian Humphrey

Name:

Northrop Grumman Corporation

Address:

1840 Century Park East  
Los Angeles, CA 90067-2199

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

3. Nature of Conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other \_\_\_\_\_

Execution Date(s): 05/10/05; 05/10/05; 05/09/05; 05/09/05

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

4. Application number(s) or patent number(s): 11/125,041

If this document is being filed together with a new application, the execution date(s) of the application is (are): 05/09/05; 05/10/05; 05/09/05; 05/09/05

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:

Carmen B. Patti  
Patti & Brill, LLC  
Customer Number 32205

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.4):..... \$ 40.00

- Enclosed
- Authorized to be charged to credit card

Docket No.: NGC-225/000720-199

8. Deposit account number:

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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.*

Carmen B. Patti  
Name of Person Signing  
Reg. No. 26,784

Signature

July 13, 2005  
Date

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Mail documents to be recorded with required cover sheet information to:

Commissioner for Patents  
Mail Stop Assignments  
P. O. Box 1450  
Alexandria, VA 22313-1450

07/19/2005 MBERHE 00000009 11125041

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## ASSIGNMENT AND AGREEMENT

For value received, we, **Christopher I. Reynolds**, residing in the town of Walpole, in County of Norfolk, in the State of Massachusetts, **Donald Heckathorn**, residing in the town of Norfolk, in County of Norfolk, in the State of Massachusetts, **Michael Perlmutter**, residing in the town of Sherborn, in County of Middlesex, in the State of Massachusetts and **Ian Humphrey**, residing in the town of Foxboro, in County of Norfolk, in the State of Massachusetts, hereby sell, assign and transfer to Northrop Grumman Corporation, a corporation of the State of Delaware, having an office at 1840 Century Park East, Los Angeles, California 90067-2199, 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 **IMPROVEMENT OF ENVIRONMENTAL CHARACTERISTIC DETERMINATION** the specification of which *was filed on May 9, 2005, as application Serial No. 11/125,041* for Letters Patent of the United States, 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 Northrop Grumman Corporation 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 Northrop Grumman Corporation 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 Northrop Grumman Corporation 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 Northrop Grumman Corporation in the United States and in all countries foreign to the United States, or to such nominees as Northrop Grumman Corporation they 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.

  
\_\_\_\_\_  
Christopher I. Reynolds

Date: May 10, 2005

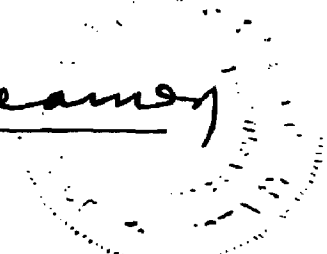
United States of America

State of MASSACHUSETTS

County of NORFOLK

On this 10<sup>th</sup> day of MAY, 2005, before me personally came **Christopher I. Reynolds**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
\_\_\_\_\_  
Notary Public



Donald Heckathorn  
Donald Heckathorn

Date: 05-10-05

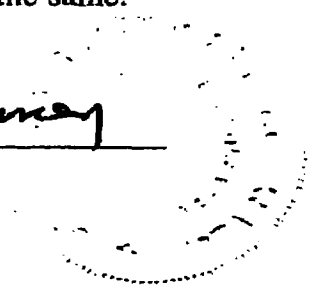
United States of America

State of **MASSACHUSETTS**

County of **NORFOLK**

On this 10<sup>th</sup> day of May, 2005, before me personally came **Donald Heckathorn**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

John Keane  
Notary Public



*Michael Perlmutter*

Michael Perlmutter

Date: 5.9.05

United States of America

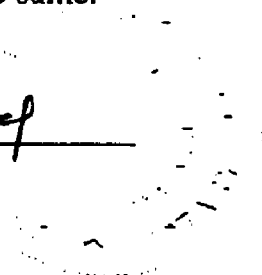
State of **MASSACHUSETTS**

County of **NORFOLK**

On this 9<sup>th</sup> day of MAY, 2005, before me personally came **Michael Perlmutter**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

*John F. Keane*

Notary Public



*Ian Humphrey*  
Ian Humphrey

Date: 5/9/05

United States of America

State of MASSACHUSETTS

County of NORFOLK

On this 9TH day of MAY, 2005, before me personally came **Ian Humphrey**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

*John Keane*  
Notary Public

