

12-28-2000



To The Honorable Commissioner of Patent
thereof.

101565163

attached original documents or copy

1. Name of conveying party(ies):
James L. Howard, Jr., Pennington J. Hess, James A.
MacStravic

Additional name(s) of conveying party(ies)
attached? () YES (X) NO

3. Nature of Conveyance:
() Assignment () Merger
() Security Agreement
() Change of Name
(X) Other: Corrective Assignment to correct State of
incorporation to read - Delaware- in Assignment
document previously recorded at Reel 010442 Frame
0199

Execution Date(s): 11/18/99; 11/19/99

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

Name: L3-Communications Corporation

Street Address:
600 Third Avenue, 34th Floor

City:
New York
State
New York

ZIP
10016
Additional name(s) & address attached? () YES (X) 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)

B. Patent No.(s)

09/422,292 filed October 21, 1999

Additional numbers attached? () YES (X) NO

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

Name: Joseph R. Condo
Internal Address: WOODCOCK WASHBURN KURTZ
MACKIEWICZ & NORRIS LLP
One Liberty Place - 46th Floor
Philadelphia, Pennsylvania 19103-7301

Street Address: WOODCOCK WASHBURN KURTZ
MACKIEWICZ & NORRIS LLP
One Liberty Place - 46th Floor
1650 Market Street
Philadelphia, Pennsylvania 19103-7301

6. Total number of applications and patents involved: 1

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

() Authorized to be charged to Deposit Account
Number 23-3050

8. Please charge any deficiency or credit any
overpayment to Deposit Account Number 23-3050

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.*

Joseph R. Condo/42,431

Name of Person Signing/Reg. No.

Signature

December 6, 2000
Date

Total number of pages including cover sheet, attachments, and document: 7

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

Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231

**(Pending Application;
Serial No. Known)**

DOCKET NO.: LCOM-0482

ASSIGNMENT

WHEREAS, we **James L. Howard, Jr., Pennington J. Hess, James A. MacStravic**, hereinafter referred to as the assignors, residing respectively at **505 Ash Street, Glassboro, NJ 08028; 1763 Dewberry Lane, Cherry Hill, NJ 08003; 75 Earnshaw Lane, Willingboro, NJ 08046**, are the joint inventors of certain inventions or improvements for which we have made application for Letters Patent to the United States, identified as Serial No. **09/422,292**, filed **October 21, 1999**, entitled **Apparatus and Methods for Managing Key Material in Heterogeneous Cryptographic Assets**; and

WHEREAS, **L3-Communications Corporation**, hereinafter referred to as the assignee, of **600 Third Avenue, 34th Floor, New York, NY 10016**, a corporation of **New York**, is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to the said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries:

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) to each of us in hand paid by said assignee, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said assignors, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over to said assignee, the entire right, title and interest in and to said inventions or improvements and said application and any and all continuations, divisions and renewals of and substitutes for said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, and assign to and authorize said assignee, to file in our names applications for Letters Patent in all countries, the same to be held and enjoyed by said assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

AND we hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent to said assignee, its successors, assigns, nominees, or legal representatives, and each of us agrees to communicate to said assignee or to its nominee all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers to execute all disclaimers and divisional, continuing, reissue and foreign

PATENT
Joint Inventors

applications, to make all rightful oaths, and generally to do everything possible to aid said assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries.

AND we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to said assignee, as assignee of the entire right, title and interest, any and all Letters Patent for said inventions or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

IN WITNESS WHEREOF, we have hereunto set our hands and seals.

James Z. Howard (L.S.)

James C. Moore (L.S.)

James C. Moore (L.S.)

[WHERE ALL INVENTORS SIGN BEFORE THE SAME NOTARY:]

State of New Jersey :
COUNTY OF Camden : SS

On this 16th day of November, 1977, before me personally came the above named James L. Howard, Jr. to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.

Barbara A. Brule
Notary Public
NOTARY PUBLIC
JANUARY 1, 1978

[WHERE INVENTORS SIGN BEFORE SEPARATE NOTARIES:]

State of New Jersey :
COUNTY OF Camden : SS

On this 16th day of November, 1977, before me personally came the above named Amoryton F. Hess to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.

Barbara A. Brule
Notary Public
NOTARY PUBLIC
JANUARY 1, 1978

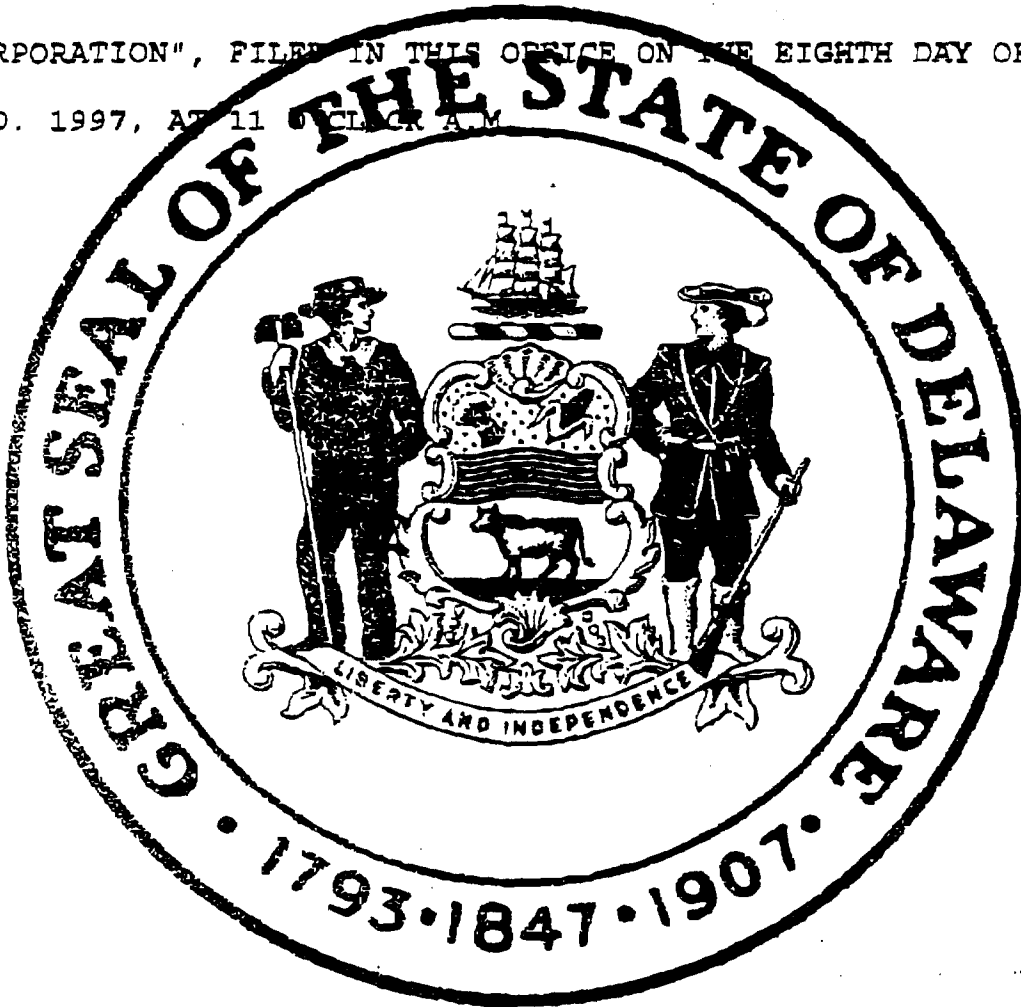
Armando A. Ruiz

Notary Public

Notary Public

Office of the Secretary of State

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF INCORPORATION OF "L-3 COMMUNICATIONS CORPORATION", FILED IN THIS OFFICE ON THE EIGHTH DAY OF APRIL, A.D. 1997, AT 11 O'CLOCK A.M.



Edward J. Freel, Secretary of State

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971121554

AUTHENTICATION:

DATE:

8420631

04-15-97

PATENT
REEL: 011363 FRAME: 0445

CERTIFICATE OF INCORPORATION

OF

L-3 COMMUNICATIONS CORPORATION

The undersigned, in order to form a corporation for the purpose hereinafter stated, under and pursuant to the provisions of the Delaware General Corporation Law, hereby certifies that:

FIRST: The name of the Corporation is L-3 Communications Corporation.

SECOND: The registered office and registered agent of the Corporation is The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, Delaware 19801.

THIRD: The purpose of the Corporation is to engage in any lawful act or activity for which corporations may be organized under the Delaware General Corporation Law.


FOURTH: The total number of shares of stock that the Corporation is authorized to issue is 100 shares of Common Stock, par value \$.01 each.

FIFTH: The name and address of the incorporator is Janet Lapidus, 425 Lexington Avenue, New York City, New York 10017-3954.

SIXTH: The Board of Directors of the Corporation, acting by majority vote, may alter, amend or repeal the By-Laws of the Corporation.

SEVENTH: Except as otherwise provided by the Delaware General Corporation Law as the same exists or may hereafter be amended, no director of the Corporation shall be personally liable to the Corporation or its stockholders for monetary damages for breach of fiduciary duty as a director. Any repeal or modification of this Article SEVENTH by the stockholders of the Corporation shall not adversely affect any right or protection of a director of the Corporation existing at the time of such repeal or modification.

IN WITNESS WHEREOF, the undersigned has signed this Certificate of Incorporation on April 8, 1997.


Janet Lapidus
Incorporator