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PATENTS ONLY Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks:

Please record the attached original document or copy thereof.

1. Name of conveying party(ies):
Joseph S. Rosen

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

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
Other _____

Execution Date: November 22, 1999

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

Name: Teradyne, Inc

Internal Address:

Street Address: 321 Harrison Avenue

City: Boston State: MA Zip: 02118

Additional name(s) & address(es) attached?

Yes No

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

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

November 22, 1999

A. Patent Application No.(s):

B. Patent No.(s)

Additional numbers attached?

Yes No

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

Name: David W. Rouille
Teradyne, Inc.
321 Harrison Avenue

City: Boston State: MA Zip: 02118

6. Total number of applications and patents involved: 1

7. Total Fee (37 C.F.R.3.41) _____ \$40.00

Enclosed
 Authorized to be charged to deposit account if check insufficient or inadvertently Omitted

8. Deposit account number:
20-0515

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

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

THIS SPACE

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 attached copy of the original document.

David W. Rouille

Total number of pages including cover sheet, attachments and documents: 3

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

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PATENT

REEL: 010477 FRAME: 0303

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned do hereby:

SELL, ASSIGN AND TRANSFER to Teradyne, Inc. ("Teradyne"), a corporation of Massachusetts, having a place of business at 321 Harrison Avenue, Boston, Massachusetts, 02118, the entire right, title and interest for the United States and any and all foreign countries in and to any and all inventions which are disclosed in the application for United States Letters Patent entitled "Multistage Machine Learning Process" (docket number 1174) for which I am named as an inventor; such application and all divisional, continuing, substitute, renewal, reissue and all other applications which have been or shall be filed in the United States and all other foreign countries on such inventions; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such inventions or applications to Teradyne;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others, and that the full right to convey the same is possessed by me;

COVENANT, when requested and at the expense of Teradyne, to carry out in good faith the intent and purpose of this assignment by: executing all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such inventions; executing all rightful oaths, declarations, assignments, powers of attorney and other papers; communicating to Teradyne all facts known to the undersigned relating to the invention and the history thereof; and generally doing everything possible which Teradyne shall consider desirable for vesting title to such improvements in Teradyne and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on my heirs, assigns, representatives and successors and to extend to the successors, assigns and nominees of Teradyne.

(Signature) Joseph S. Rosen Date: 11/22/99
Name: Joseph S. Rosen

STATE OF Illinois)
) ss.
COUNTY OF Lake Cook)

BEFORE ME, the undersigned notary, today personally appeared before me, Joseph S. Rosen, known to me to be the person whose name is subscribed on the foregoing instrument who acknowledged to me that he executed the same of his own free will and as his free act and deed for the purposes and consideration therein expressed.

11/22/99
(Date)

Lois R. Nuebel
(Signature of notary)

[SEAL]

MY COMMISSION EXPIRES: 7/26/2000

