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TRADEMARK OFFICE

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Attorney Docket No. 9432-000096/CPA

COVER SHEET FOR RECORDAL OF DOCUMENT (PATENT)

Hon. Commissioner of Patents and Trademarks
Washington, D.C. 20231



Sir:

Pursuant to 37 C.F.R. 3.31, enclosed herewith is a document for recordal in this case. The following information is provided:

(1) Name Of Party Conveying The Interest:

Christophe Cerisara
Luca Rigazio
Robert Boman
Jean-Claude Junqua

(2) Name And Address Of Party Receiving The Interest:

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.
Intellectual Property Center
Kadoma Osaka, 571 JAPAN

(3) Description Of The Transaction To Be Recorded:

Assignment License
 Change of Name Other _____

(4) Application(s) and/or Patent(s) Against Which Enclosure Is To Be Recorded:

Serial Number 09/628,376, filed July 31, 2000.
 Application being filed concurrently herewith.
 Patent Number _____, issued _____

(5) Name And Address Of The Party To Whom Correspondence Concerning The Request To Record Should Be Mailed:

Gregory A. Stobbs, Esq.
Harness, Dickey & Pierce, P.L.C.
P.O. Box 828
Bloomfield Hills, MI 48303

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(6) **Number Of Applications and/or Patents Identified In The Cover Sheet And Total Recordal Fee:**

Number of Applications/Patents: 1

Total Recordal Fee Enclosed: \$40.00

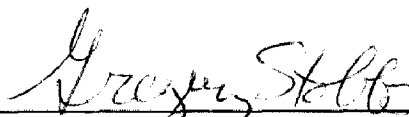
(7) **Date(s) The Document Was Executed:** August 16, 2000

To the best of my knowledge and belief, the foregoing information is true and correct, and if the attached is not an original document, the undersigned verifies that it is a true copy of the original.

If, for some reason, Applicant(s) has/have not paid a sufficient fee, please charge our Deposit Account No. 08-0750 for any further fees which may be due. A duplicate copy of this document is enclosed.

Respectfully submitted,

Date: December 8, 2000

By: 
Gregory A. Stobbs, Reg. No. 28,764
Attorneys for Applicant(s)

GGs/pal

ASSIGNMENT BY JOINT INVENTORS

WHEREAS, the undersigned, hereinafter referred to as Assignors, have invented certain new and useful improvements in

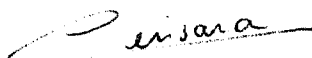
Method for Noise Adaptation in Automatic Speech Recognition Using Transformed Matrices

for which Assignors have made United States application for patent under Serial No. **09/628,376**, filed **July 31, 2000**, and **Matsushita Electric Industrial Co., Ltd**, a corporation of Japan, having its principal place of business at Intellectual Property Center, Kadoma Osaka, 571 JAPAN,

WHEREAS, **Matsushita Electric Industrial Co., Ltd.**, hereinafter referred to as Assignee, is desirous of acquiring an interest therein:

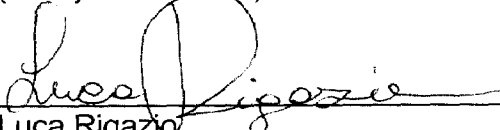
NOW, THEREFORE, for good and valuable consideration, the receipt whereof is hereby acknowledged, Assignors by these presents do sell, assign and transfer unto Assignee, its successors in interest, the full and exclusive right in the United States of America and all foreign countries, including the right to claim priority under the laws of the United States and the Paris Convention, to the said invention as described in the aforesaid application, said application for patent and all Letters Patent therefor to be held and enjoyed by Assignee to the full end of the term for which said Letters Patent are granted and any extensions thereof, as fully and entirely as the same would have been held by Assignors had this assignment and sale not been made; and Assignors hereby covenant and agree to execute all instruments or documents required or requested for the making and prosecution of applications for patent in the United States and in all foreign countries, for litigation regarding, or for the purpose of protecting title to the said invention, the United States application for patent, or Letters Patent therefor for the benefit of Assignee without further or other compensation than that above set forth; and Assignors hereby request the Commissioner of Patents and Trademarks to issue said Letters Patent to Assignee.

Dated: 8/16/2000




Christophe Cerisara
(First joint inventor)

Dated: 8/16/2000




Luca Rigazio
(Second joint inventor)

Dated: 8/16/2000



Robert Boman
(Third joint inventor)

Dated: 8/16/2000



Jean-Claude Junqua
(Fourth joint inventor)

Attorney Docket No. 9432-000096/CPA