

## PATENT ASSIGNMENT

Electronic Version v08

Stylesheet Version v02

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT OF ASSIGNOR'S INTEREST

## CONVEYING PARTY DATA

Name	Execution Date
Naoto Iwahashi	1999-02-18
Hongchang Bao	1999-01-18
Hitoshi Honda	1999-01-18

## RECEIVING PARTY DATA

Name	Street Address	Internal Address	City	State/Country	Postal Code
Sony Corporation	7-35, Kitashinagawa 6-chome	Shinagawa-ku	Tokyo	JP	141-0001

## PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number	11093436

## CORRESPONDENCE DATA

FAX NUMBER: (908) 654-0415

*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*

When the customer number has been provided, the Office of Public Records will obtain the correspondence data from the official record on file at the USPTO.

CUSTOMER NUMBER: 000530

NAME OF PERSON SIGNING:

Dennis M. Smid

DATE SIGNED:

2006-08-09

Total Attachments: 2

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CH \$40.00 121095 11093436

PATENT

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REEL: 018080 FRAME: 0793

## ASSIGNMENT

WHEREAS, I, as a below named inventor, residing at the address stated next to my name, am a sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of certain new and useful improvements in FEATURE EXTRACTION APPARATUS AND METHOD AND PATTERN RECOGNITION APPARATUS AND METHOD for which application for Letters Patent of the United States of America was executed by me on the date indicated next to my name and address;

AND WHEREAS, Sony Corporation, a Japanese corporation with offices at 7-35 Kitashinagawa 6-Chome, Shinagawa-Ku, Tokyo, Japan (hereinafter referenced as ASSIGNEE) is desirous of acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar legal protection which may be granted therefor in the United States and in any and all foreign countries;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, as a sole or joint inventor as indicated below, by these presents do hereby assign, sell and transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in the said invention, said application, including any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue the said United States Letters Patent to said ASSIGNEE, as the assignee of the whole right, title and interest thereto;

And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its designee, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United States and countries foreign thereto;

And I further agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid invention, as the ASSIGNEE thereof shall hereafter require and prepare at its own expense;

And I further agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereto;

And I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

And I hereby authorize and request my attorney(s) of record in this application to insert the serial number and filing date of this application in the spaces that follow: Serial Number: 09/179,549 Filing Date: 10/28/1998

This assignment executed on the dates indicated below.

NAOTO IWAHASHI

Name of first or sole inventor

February 18, 1999

Execution date of U.S. Patent Application

KANAGAWA, JAPAN

Residence of first or sole inventor

Naoto Iwahashi

Signature of first or sole inventor

February 18, 1999

Date of this assignment

BAO, HONGCHANG

Name of second inventor

January 18, 1999

Execution date of U.S. Patent Application

TOKYO, JAPAN

Residence of second inventor

Hongchang BAO

Signature of second inventor

January 18, 1999

Date of this assignment

HITOSHI HONDA

Name of third inventor

January 18, 1999

Execution date of U.S. Patent Application

TOKYO, JAPAN

Residence of third inventor

~~H~~ Hitoshi Honda

Signature of third inventor

January 18, 1999

Date of this assignment

Name of fourth inventor

Execution date of U.S. Patent Application

Residence of fourth inventor

Signature of fourth inventor

Date of this assignment

Name of fifth inventor

Execution date of U.S. Patent Application

Residence of fifth inventor

Signature of fifth inventor

Date of this assignment

PATENT

RECORDED: 08/09/2006

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