

11-24-2000

To the Honorable Commissioner of Patents
Please record the attached original document.

101527301

ATTN. BOX ASSIGNMENTS

1. Name of conveying party(ies):
Ching-Fang Chang
Naofumi Yanagihara

2. Name and address of receiving party(ies)

Name: Sony Corporation

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

Internal Address:

3. Nature of conveyance:

Street Address: 1 Sony Drive

☒ Assignment ☐ Merger

City: Park Ridge

☐ Security Agreement☐ Change of Name

State:

NJ

Zip Code:

07656

☐ Other:

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

Execution Date: 10/19/00 and 10/18/00

☐ Yes☒ 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:

A. Patent Application Number(s):

09/497,434

B. Patent Number(s):

Additional numbers attached?

☐ Yes☒ No

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

Name:

6. Total number of applications and registrations involved: 1

7. Total fee (37 CFR 3.41): \$40

☒ Enclosed (Please charge deficiency to deposit account)☐ Authorized to be charged to deposit account

Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.

Street Address: 1300 I Street, N.W.

City: Washington

State: D.C.

Zip:

20005-3315

8. Deposit Account No.: 06-0916

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.

Linda J. Thayer, Reg. No. 45,681

Signature

Date

Total number of pages including cover sheet, attachments and documents: 5

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SONY USRL MEDIASOFT

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SEL IPD

002

OCT 06 2000 16:53 FR FINNEGAN HENDERSON 650 849 6666 TO 14089555490

P.02

PATENT

Attorney Docket No.: 7095.0038-00

Sony Ref. No.: 50N3470

SOLE/JOINT INVENTION
(Worldwide Rights)

ASSIGNMENT

WHEREAS WE, the below named inventors, [hereinafter referred to as Assignors], have made an invention entitled:

METHOD AND APPARATUS FOR REDUCTION OF PREDICTION MODES IN MOTION ESTIMATION

for which we executed an application for United States Letters Patent concurrently herewith or filed an application for United States Letters Patent on February 3, 2000 (Serial No. 09/497,434); and

WHEREAS, (1) Sony Corporation, a corporation of Tokyo, Japan; and (2) Sony Electronics, Inc., a Delaware corporation whose post office address is 1 Sony Dr., Park Ridge, New Jersey 07656 (hereinafter collectively referred to as Assignees), are desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, we, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignees, their lawful successors and assigns, our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignees, their successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that we have the full right to convey the interest assigned by this Assignment, and we have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that we will, without further consideration, communicate with Assignees, their successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignees, their successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignees, their successors and assigns, to obtain and enforce proper patent protection for this invention in

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P.113

PATENT

Attorney Docket No.: 7095.0038-00

Sony Ref. No.: 50N3470

SOLE/JOINT INVENTION
(Worldwide Rights)

the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignees, their successors and assigns.

IN TESTIMONY WHEREOF, we have hereunto set our hands.

Ching-Fang CHANG

Full Name Of Sole/First Assignor

6560 Capri Way

Street Address

San Jose, CA 95129

City and State/Country

Ch-Fang Chang / Oct. 19, 2000

Sole/First Assignor's Signature/Date

Naofumi YANAGIHARA

Full Name Of Second Assignor

3-16-1-407 Unaki

Street Address

Ota-ku, Tokyo, JAPAN

City and State/Country

Second Assignor's Signature/Date

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SEL IPD

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OCT 06 2000 16:53 FR FINNEGAN HENDERSON 650 849 6666 TO 14089555490

P.02

PATENT

Attorney Docket No.: 7095.0038-00

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WHEREAS, (1) Sony Corporation, a corporation of Tokyo, Japan; and (2) Sony Electronics, Inc., a Delaware corporation whose post office address is 1 Sony Dr., Park Ridge, New Jersey 07656 (hereinafter collectively referred to as Assignees), are desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, we, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignees, their lawful successors and assigns, our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignees, their successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that we have the full right to convey the interest assigned by this Assignment, and we have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that we will, without further consideration, communicate with Assignees, their successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignees, their successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignees, their successors and assigns, to obtain and enforce proper patent protection for this invention in

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PATENT

Attorney Docket No.: 7095,0038-00

Sony Ref. No.: 50N3470

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the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignees, their successors and assigns.

IN TESTIMONY WHEREOF, we have hereunto set our hands.

Ching-Fang CHANG

Full Name Of Sole/First Assignor

6560 Capri Way

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City and State/Country

Sole/First Assignor's Signature/DateNaofumi YANAGIHARA

Full Name Of Second Assignor

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City and State/Country

 Oct. 18, 2000

Second Assignor's Signature/Date