

11/664251

IAP8 Rec'd PCHPTO 11/664251 30 MAR 2007

Form PTO-1595 (Rev. 08/05)  
OMB No. 0651-0027 (exp. 6/30/2008)

U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

04-09-2007



103392115

ments or the new address(es) below.

To the Director of the U.S. Patent and

1. Name of conveying party(ies):

Shuichi Watanabe

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s): March 14, 2007

- ☒ Assignment ☐ Merger ☐ Change of Name  
☐ Security Agreement ☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other

2. Name and address of receiving party(ies)

Name: Sharp Kabushiki Kaisha

Internal Address:

Street Address:  
22-22 Nagaike-cho  
Abeno-Ku  
Osaka-Shi, Osaka  
545-8522  
JAPAN

City:

State:

Country: Zip:

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

☒ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

11/664251

Additional numbers attached? ☐ Yes ☒ No

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

Name: David G. Conlin  
EDWARDS ANGELL PALMER & DODGE  
LLP

Internal Address: Atty. Dkt.: 67904(70551)

Street Address: P.O. Box 55874

City: Boston

State: MA Zip: 02205

Phone Number: (617) 439-4444

Fax Number: (888) 325-9129

Email Address: DConlin@eapdlaw.com

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card  
☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers  
Expiration Date  
b. Deposit Account Number 04-1105  
Authorized User Name Peter J. Manus

9. Signature:

Signature

March 30, 2007  
Date

Peter J. Manus - 26,766  
Name of Person Signing

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

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service as Express Mail, Label No. EV971759788US, on the date shown below in an envelope addressed to: MS Assignment Recordation Services, Director of the US Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: March 30, 2007 Signature: Laurie Brown (Laurie Brown)

11/664251

ATTORNEY DOCKET NO.  
67904(70551)

UNITED STATES PATENT RIGHTS, OR  
UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

## ASSIGNMENT

Application No. \_\_\_\_\_ Filed \_\_\_\_\_

Insert Name(s)  
of Inventor(s)



WHEREAS, Shuichi WATANABE

Insert Title  
of Invention



(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in

Encoding Device, Encoding Method, Decoding Device, Decoding Method,  
Program and Machine-Readable Recording Medium Containing the Program

for which an application for Letters Patent of the United States of America has been executed by the undersigned (except in the case of a provisional application).

Insert Date of  
Signing of  
Application



on March 14, 2007 ; and

Insert Name  
of Assignee



WHEREAS, Sharp Kabushiki Kaisha

Insert Address  
of Assignee



of 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan

CHECK BOX  
IF APPROPRIATE



its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and ☒ in any and all foreign countries.

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries;

and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) the request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional, conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Edwards Angell Palmer & Dodge LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	<u>March 18, 2007</u>	Name of Inventor	<u>Shuichi Watanabe</u> Shuichi WATANABE
Date	_____	Name of Inventor	_____
Date	_____	Name of Inventor	_____
Date	_____	Name of Inventor	_____
Date	_____	Name of Inventor	_____
Date	_____	Name of Inventor	_____
Date	_____	Name of Inventor	_____
Date	_____	Name of Inventor	_____
Date	_____	Name of Inventor	_____

PATENT

RECORDED: 03/30/2007

REEL: 019143 FRAME: 0266