

9-4-98

09-16-1998



Assistant Commissioner for Patents
Box Assignments
Washington, D.C. 20231

100829133
PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Attorney Docket No. 101470

To the Assistant Commissioner for Patents: Please record the attached original document or copy thereof.

1. A. Name of conveying party(ies):

Sachio YAMATO
Daisaku YAMANE
Masaharu TOMITA
Masashi ISHIKAWA
Yuki SUTOU
Kengo TOEDA

B. Additional name(s) of conveying party(ies)
attached?

☐ Yes ☒ No

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

JAPAN RADIO CO., LTD.
1-1, SHIMORENJAKU, 5-CHOME
MITAKA-SHI, TOKYO 181-8510, JAPAN

3. A. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

B. Execution Date: August 10, 1998

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

☐ Yes ☒ No

4. A. If this document is being filed together with a new application, the execution date of the application is: August 10, 1998.

B. Patent Application No.(s)

C. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: James A. Oliff

Address: **OLIFF & BERRIDGE, PLC**
P.O. Box 19928
Alexandria, VA 22320

6. Total number of applications and patents involved: 1

7. A. Total fee (37 CFR 3.41)..... \$ 40.00

B. Enclosed (Check No. 10028)

8. Credit any overpayment or charge any underpayment to deposit account number 15-0461.

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.

James A. Oliff

James A. Oliff
Stuart I. Smith

Registration No. 27,075
Registration No. 42,159

Date: September 4, 1998

09/15/1998 INQUIRY 00000102 09148656

01 FC:581

40.00 DP

Total number of pages including cover sheet, attachments, and document: 2

PATENT
REEL: 9446 FRAME: 0272

ASSIGNMENT

(1-8) Insert Name(s) of Inventor(s)

(1) <u>Sachio YAMATO</u>	(5) <u>Yuki SUTOU</u>
(2) <u>Daisaku YAMANE</u>	(6) <u>Kengo TOEDA</u>
(3) <u>Masaharu TOMITA</u>	(7) _____ and
(4) <u>Masashi ISHIKAWA</u>	(8) _____

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(9) Insert Name of Assignee
(10) Insert Address of Assignee

(9) JAPAN RADIO CO., LTD.
(10) 1-1, Shimorenjaku 5-chome, Mitaka-shi, Tokyo 181-8510, Japan

(hereinafter designated as the Assignee) the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all divisions, continuations, substitutes, and reissues, and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as

(11) Insert Identification, such as Title, Case Number or Foreign Application Number

(11) RAY CASTING METHOD USING HARDWARE

(Case No. 101470)

for which the undersigned has (have) executed an application for patent in the United States of America

(12) Insert Date of Signing of Application

(12) on August 10, 1998

(13) Alternative Identification for filed applications

(13) U.S. application Serial Number _____
filed September 4, 1998

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

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

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

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.

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

6) The undersigned hereby grant(s) the firm of OLIFF & BERRIDGE 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 United States Patent and Trademark Office for recordation of this document.

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

Date <u>August 10, 1998</u>	Name of Inventor <u>Sachio Yamato</u>	(SEAL)
Date <u>August 10, 1998</u>	Name of Inventor <u>Daisaku Yamane</u>	(SEAL)
Date <u>August 10, 1998</u>	Name of Inventor <u>Masaharu Tomita</u>	(SEAL)
Date <u>August 10, 1998</u>	Name of Inventor <u>Masashi Ishikawa</u>	(SEAL)
Date <u>August 10, 1998</u>	Name of Inventor <u>Yuki Suto</u>	(SEAL)
Date <u>August 10, 1998</u>	Name of Inventor <u>Kengo Toeda</u>	(SEAL)
Date _____	Name of Inventor _____	(SEAL)
Date _____	Name of Inventor _____	(SEAL)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Date <u>August 10, 1998</u>	Witness <u>Y. Yamato</u>	
Date <u>August 10, 1998</u>	Witness <u>Etsuko Tanikawa</u>	