	07-14-2000
6.19.00 RECORDA	07-14-2000
To the Honorable commissioner of Patents and	
Please record the attached original document	101403846
1. Name of conveying party(ies): JRC Canada Inc.	2. Name and address of receiving party(ies):
OP	party (105).
JUN 1 9 2000 &	Name: Japan Radio Co., Ltd
Additional name(s) of conveying party(ies) attached?YesYo	Street Address:1-1 Shimorenjaku 5-chome
1.00	City:Mitaka-shi, Tokyo 181-8510, Japan
3. Nature of conveyance:	State: Zip:
X Assignment	
Merger	
Security Agreement	
Change of Name	
Other	Additional name(s) & address(es)
Execution Date: March 13, 2000	attached?Yes _X_No
4. Application number(s) or patent number(s):U.S. Pate	ent No. 5 093 670
If this document is being filed together with a new application, the execution date of the application is:	
A. Patent Application No.(s)	B. Patent No. (s)
Additional numbers attached	
5. Name and address of party to whom	6. Total number of applications and
correspondence concerning document should be mailed: Rita M. Rooney	patents involved:1
Name: Cesari and McKenna, LLP	7. Total fee (37 CFR 3.41)\$40.00 X Enclosed
Street Address: 30 Rowes Wharf	Authorized to be charged to deposit account
City: Boston State: MA Zip: 02110	8. Deposit account no. 03-1237 (Attach duplicate copy of this page if paying by deposit account)
7/13/2000 ASCOTT 00000186 5093670 DO NOT USE THIS SPACE	
40.00 OP	
·	
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.	
Buting Booning 6/1/00	
Rita M. Rooney, Reg. No. 30,585 Signature / Date	
Total number of pages comprising cover sheet: 1	

PATENT REEL: 010909 FRAME: 0074

ASSIGNMENT

Whereas JRC Canada, Inc., having an address of 450 31st Street, North, Lethbridge, Alberta CANADA, T1H 3Z3, hereinafter called "Assignee" owns certain inventions or discoveries (or both) set forth in Letters Patent of the United States of America No. 5,093,670, which issued on March 3, 1992, entitled LOG PERIODIC ANTENNA; and

Whereas Japan Radio Co., Ltd., having an address of 1-1 Shimorenjaku 5-chome, Mitaka-shi, Tokyo, 181-8510, Japan, and which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited;

Now, Therefore, in consideration of one Canadian dollar, furnished by Assignee to Assignor, receipt and sufficiency of which is hereby acknowledged, Assignor, does hereby, without reservation:

- 1. Assign, transfer, and convey to Assignee its entire right, title, and interest in and to said inventions and discoveries embodied in said Letters Patent, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all subsequent provisional and non-provisional applications as well as divisional, renewal, substitute, continuation, continuation-in-part, and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications, and said Letters Patent;
- 2. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title, and interest therein or otherwise as Assignee may direct;
- 3. Warrant that Assignor has not knowingly conveyed to others any right in said inventions, discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries;
- 4. Bind the legal representatives, transferees and assigns of the Assignor, as well as the Assignor, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to Assignor or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by the Assignor, its legal representatives, transferees and assigns as if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to Assignor relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples, and other physical exhibits in its control or in the control of the legal representatives, transferees or assigns which may be useful for establishing the facts of conceptions, disclosures, and reduction to practice of said inventions and discoveries.

PATENT REEL: 010909 FRAME: 0075 Date

By: Hirogulei Kitago

Name

Title: JRC Canada, Inc. by its fresident and chief Optrating Officer

City of Lethblide

Ss.

Provence of Abelia

On this 13th day of March, 2000, before me appeared Hirogula Litigo to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she acknowledged the same to be his/her free act and deed.

Notary Public

Joann L. Schwager

Barristar & Colicitor

In testimony whereof, Assignor has executed this Assignment as an instrument

under seal on the date indicated below.

RECORDED: 06/19/2000

PATENT REEL: 010909 FRAME: 0076