02-04-2004

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Atty. Docket No.: 0033-0872P Page 1 of 2

MRP 1026285	31 COVER SHEET			
MRD 1026283 Rivi COVER SHEET 4-18-2003 To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.				
1. Name of conveying party(ies): [FAMILY NAME (ALL CAPS), Given Name] SUEMATSU, Eiji OGAWA, Hiroyo HAMAGUCHI, Kiyoshi SHOJI, Yozo Additional name(s) of conveying party(ies) attached? YES NO 3. Nature of conveyance: Assignment Merger Security Agreement Change of Name Other: Execution Date: April 14, 2003; April 9, 2003; April 8, 2003 and April 9, 2003, respectively	2. Name and address of receiving party(ies) Name: SHARP KABUSHIKI KAISHA Internal Address: Street Address: 22-22, Nagaike-cho, Abeno-ku, Osaka-shi City: Osaka State: ZIP: Country: JAPAN Postal Code: 545-8522 Additional name(s) & address(es) attached? 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 is: April 14, 2003; April 9, 2003; April 8, 2003 and April 9, 2003, respectively A. Patent Application No(s). B. Patent No.(s). 				
NEW 10/399, 566 Additional numbers attact 5. Name and address of party to whom correspondence concerning document should be mailed: Name: BIRCH, STEWART, KOLASCH & BIRCH, LLP Street Address: P.O. BOX 747 City: FALLS CHURCH State: VA ZIP: 22040-0747 Country: USA	hed? YES NO 6. Total No. of applications/patents involved: ONE (1) 7. Total fee (37 C.F.R. § 3.41): \$40.00 Enclosed Authorized to be charged to deposit account, if no fee attached. 8. Deposit account number: 02-2448 (Attach triplicate copy of this page if paying by deposit account)			
DO NOT USE THIS SPACE 9. Statement and signature.				
Terrell C. Birch, #19,382 Name of Person Signing/Reg. No. Total number of pages including cover sheet, attachments, and document: FIVE (5)				







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Page 2 of 2

Attachment to

RECORDATION FORM COVER SHEET		
Continuation of Box 1Name of conveying party(ies):		
Continuation of Box 2Name and address of receiving party(ies): COMMUNICATIONS RESEARCH LABORATORY, INDEPENDENT ADMINISTRATIVE INSTITUTION		
4-2-1, Nukui-Kitamachi, Koganei-shi, Tokyo 184-8795 JAPAN		
Continuation of Box 4Application number(s) or patent number(s):		







United States Patent Rights, or United States Plus All Foreign Patent Rights

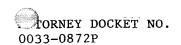
ATTORNEY DOCKET NO. 0033-0872P

ASSIGNMENT

		Application No. NEW Filed April 18, 200
Insert Name(s)	-	WHEREAS, Eiji SUEMATSU, Hiroyo OGAWA,
of Inventor(s)		Kiyoshi HAMAGUCHI, and Yozo SHOJI
		(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in
Insert Title of Invention	-	RADIO COMMUNICATION DEVICE, TRANSMITTER AND RECEIVER
		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 April 8, 2003, April 9, 2003 and April 14, 2003 ; and
Insert Name	-	WHEREAS, (1) Sharp Kabushiki Kaisha
of Assignee		(2) Communications Research Laboratory, Independent Administrative Institution
Insert Address of Assignee	→	of (1) 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan
•		(2) 4-2-1, Nukui-Kitamachi, Koganei-shi, Tokyo 184-8795 Japan
CHECK BOX	₩	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.

PATENT REE 4306 FRAME: 0482





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 Letter 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) and 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 Birch, Stewart, Kolasch & Birch, 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	April/14/2003.	Name of Inventor(si		Eiji sumeten ignature) Eiji SUEMATSU	
	*		(signature)	Eiji SUEMATSU	
Date _		Name of Inventor	(-!	Hiroyo OGAWA	
Date _	, , ,	Name of Inventor	(signature)	Kiyoshi HAMAGUCHI	
Date _)	Name of Inventor	(signature)	Yozo SHOJI	
Date _		Name of Inventor		-	
Date .	*	Name of Inventor	(signature)		

PATENT REELEMT4306 FRAME: 0483 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 Letter 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.

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

Date	Name of Inventor	· · · · · · · · · · · · · · · · · · ·
		(signature) Eiji SUEMATSU
Date 09-04-03.	Name of Inventor	(signature) Hiroyo OGAWA
Date April Ath 2003,	Name of Inventor	(signature) Klyoshi HAMAQUCHI
		(aignature) YOZO SHOJI
Date,		(signature)
Date,	Name of Inventor	(signature)

PATENT RE**E 10**014306 FRAME: 0484

RECORDED: 04/18/2003