10-29	9-2002
1022	EET U.S. DEPARTMENT OF COMMER Patent and Trademark Of Customer No. 23910
To the Honorable Commissioner of Patents and Traden	marks: Please record the attached original documents or copy thereof.
 Name of conveying party(ies): A. Ramzi Abou-Jaoude B. Donald A. Bradley D. Martin I. Grace C. Karam Noujeim Additional name(s) of conveying party(ies) attached?Yes No Nature of conveyance:	2. Name and address of receiving party(ies): Name: <u>ANRITSU COMPANY</u> Address: <u>490 Jarvis Drive</u> <u>Morgan Hill, CA 95037-2809</u> Additional name(s) & address(es) attached? <u>Yes</u> ✓ No
 4. Application number(s) or patent number(s): A. Patent Application No.: Unknown B. Confirmation No.: Unknown Title: Integrated Multiple-Up/Down Conversion Radar Test System Filed Date: Herewith Herewith Herewith If this document is being filed together with a new applicat 	ers attached? Yes 🖌 No
A. June 28, 2002 B. June 28, 2002 C. June 28, 2002	D. July 9, 2002
 Name and address of party to whom correspondence concerning document should be mailed: 	 Total Number of applications and patents involved: <a block"="" href="https://www.www.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applications.applica</td></tr><tr><td>Name: MARTIN C. FLIESLER</td><td>7. Total fee (37 CFR 3.41)</td></tr><tr><td>Address: Fliesler Dubb Meyer & Lovejoy LLP</td><td> Check Enclosed</td></tr><tr><td>Four Embarcadero Center, Fourth Floor
San Francisco, CA 94111</td><td>additional fees or credit any overpayment to
Deposit Account No. 06-1325.
Copy. (A duplicate copy of this authorization is <u>not</u></td></tr><tr><td>Telephone: (415) 362-3800 9. Statement and signature. To the best of my knowledge and belief, the foregoing information copy is a true copy of the original document. Thomas A. Ward Attorney (Reg. No. 35,732)</td><td><math display=">\frac{\text{cnclosed.})}{\text{mation is true and correct and any attached}} $\frac{1}{2} \int \frac{1}{2} \int \frac{1}{2}$
	heet and 5 page document).
10. Total number of pages to be recorded: <u>6</u> (1 page cover s	$\frac{1}{10000000000000000000000000000000000$

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RE	102171171	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office <u>Customer No. 23910</u>
To the Honorable Commissioner of Patents a	and Trademarks: Please record the attached	original documents or copy thereof.
 Name of conveying party(ies): A. Ramzi Abou-Jaoude D. David Geller B. Donald A. Bradley E. Martin I. Gra C. Karam Noujeim Additional name(s) of conveying party(ies) attached No 	Address:	of receiving party(ies): ANRITSU COMPANY 490 Jarvis Drive Morgan Hill, CA 95037-2809
 3. Nature of conveyance: ✓ Assignment Merger Change Other Change Execution Date: A. June 28, 2002 D. Unsigned B. June 28, 2002 E. July 9, 2002 C. June 28, 2002 	of Name	address(es) attached? Yes ∡ No
 Application number(s) or patent number(s): A. Patent Application No.: Unknow B. Confirmation No.: Unknow Title: Integrated Multiple-Up/Down Convers Test System Filed Date: <u>Herewith</u> 	n .	8451
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Additi	ional numbers attached? Yes 🖌 No	
Additi If this document is being filed together with a ne	ional numbers attached? Yes 🗹 No ew application, the execution date of the app	lication is:
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JOINT TO CORPORATE ASSIGNMENT

WHEREAS, the undersigned Inventors: (1) Ramzi Abou-Jaoude, (2) Don Bradley, (3) David Geller, (4) Martin Grace, and (5) Karam Noujeim, are all residents of California, have invented certain new and useful improvements in:

INTEGRATED MULTIPLE-UP/DOWN CONVERSION RADAR TEST SYSTEM

and have executed a declaration or oath for an application for a United States patent disclosing and identifying the invention.

WHEREAS <u>Anritsu Company</u> (hereinafter termed "Assignee"), a corporation of the State of <u>California</u>, having a place of business at <u>490 Jarvis Drive</u>, <u>Morgan Hill</u>, State of <u>California</u>, wishes to acquire the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, certificates of invention and other forms of protection thereon (hereinafter termed "patents") applied for or granted in the United States and/or other countries.

NOW THEREFORE, for good and valuable consideration acknowledged by each of said Inventors to have been received in full from said Assignee:

1. Said Inventors do hereby sell, assign, transfer and convey to said Assignee, the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply in any or all countries of the world for patents, certificates of inventions or other governmental grants on said invention, including the right to apply for patents pursuant to the International Convention for the Protection of Industrial Property or pursuant to any other convention, treaty, agreement or understanding; (c) in and to any and all applications filed and any and all patents, certificates of inventions or other governmental grants granted on said invention in the United States or any other country, including each and every application filed and each and every patent granted on any application which is a division, substitution, or continuation of any of said applications; (d) in and to each and every reissue or extension of any of said patents; and (e) in and to each and every patent claim resulting from a reexamination certificate for any and all of said patents.

2. Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and other countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, executing of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for complying with any duty of disclosure; (c) for prosecuting any of said applications; (d) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (e) for filing and prosecuting applications for reissue of any of said patents; (f) for interference or other priority proceedings involving said invention; and (g) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, reexamination proceedings, compulsory licensing proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.

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3. The terms and covenants of this Assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.

4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Inventors have executed this instrument on the date of acknowledgment before the Notary Public as given below and delivered this instrument to said Assignee:

1.	\checkmark On the $\frac{36}{2}$ day of $\frac{1}{2002}$;
	Or
2.	Said application having SC/Serial Number and filed on the day of, 20
	Date of Execution of Declaration for Patent Application: 6/28/02
	(1) Jan Ride
	(1)Ramzi Abou-Jaoude
State of	CALIFORNIA
County c	
	On JUNE 28, 2002 before me, <u>HELANIE J. BONAGOFSKI, NOTAKY PUBLIC</u> (name and title of officer)
personal	hy appeared KAM71 ARAU Addre ersonally known to me (or proved to me on the basis of satisfactory evidence) to be
the nerco	whose name(s) is/and subscribed to the within instrument and acknowledged to me that he/sho/they executed the same
in his/h e	f which the person(s) acted, executed the instrument.
	MELANIC J. DUNADUFONI 5
WITNES	SS my hand and official seal.
Signatur	Munu Brungki

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Attorney Docket No.: ANRI-08044US0MCF/TAW taw/anri/8044US0/8044.101.wpd

1. \checkmark On the 28 day of JUNE , 2002,
Or
2 Said application having SC/Serial Number and filed on the day o, 20
Date of Execution of Declaration for Patent Application: <u>JUNE 28,2002</u> (2) Donald A. Bradley
State of CALIFORNIA
On JUNG 28 2002 before me, <u>HELANIE J. BONAGOFSKI</u> , NOTAPY fUBLIC (name and title of officer) personally appeared <u>Doubl A brail typersonally known to me</u> (or proved to me on the basis of satisfactory evidence) to be the person(5) whose name(5) is/see subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(6) on the instrument the person(5), or the entity upon behal of which the person(5) acted, executed the instrument.
WITNESS (ny hand and official seal. Signature Aumin Common Signature Comm

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1	On the day of, 20;	
Or		
2	Said application having SC/Serial Number, 20	and filed on the day of
Date of Exe	ecution of Declaration for Patent Application:	
	(2)	
	David Geller	
State of)	
)	
On	before me, (name and title of offi	
personally appeared person(s) whose name(s) his/her/their authorized c	, personally known to me (or proved to me on the b s) is/are subscribed to the within instrument and acknowledged to me capacity(ies), and that by his/her/their signature(s) on the instrument acted, executed the instrument.	basis of satisfactory evidence) to be the e that he/she/they executed the same in
WITNESS my hand and	d official seal.	
Signature		
****	****	*****
Attorney Docket No.: AN taw/anri/8044US0/8044.10	Page 4 NRI-08044US0MCF/TAW	251.001:060101
- щи/алт оончоз0/60н4.10	. от таро	

1.		On the day of <u>1004</u> , 2002;
	Or	
2.	<u></u>	Said application having SC/Serial Number and filed on the day of, 20
	Date of Execu	tion of Declaration for Patent Application:
		(2) Martis
		Martin Grace
State of	CAL	IFORNIA
County		ITA CLARA
personal	ry appeared 1 m //	before me, <u>HELANIE J.</u> BUNAGOFSKI, NOTARY PUBLIC, (name and title of officer) <u>N GRACE</u> , personally known to me (or proved to me on the basis of satisfactory evidence) to be the
his/ he r/t	heir authorized capa	are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in city(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf , executed the instrument.

WITNESS my hand and official seal.

signature Milming Borragjaki



Attorney Docket No.: ANRI-08044US0MCF/TAW taw/anri/8044US0/8044.101.wpd

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251.001:060101

1.	\checkmark On the $\underline{f''}$ day of $\underline{J''}$, 2002,
	Or
2.	Said application having SC/Serial Number and filed on the day of, 20
	Date of Execution of Declaration for Patent Application: June 28, 02
	(2) Care Logon Karam Noujeim
State o	CALIFORNIA
County	yof SANTA CLARA
	On JUNG 28, 2002 before me, <u>HELANIE J. BONAGUFSKI</u> , NOTARY PUBLIC (name and title of officer)
person his/her	(name and title of officer) ally appeared ArkAM NOUJEIM, personally known to me (or proved to me on the basis of satisfactory evidence) to be the (s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in /their authorized capacity(iss), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf ch the person(s) acted, executed the instrument.
WITN	ESS my hand and official seal.
Signat	ure Milanui J. Bridge Blain Standing Blain Standing Blain Standing Standing Blain Standing St

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Attorney Docket No.: ANRI-08044US0MCF/TAW taw/anri/8044US0/8044.101.wpd

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PATENT REEL: 013208 FRAME: 0346

COMM. EXPIRES FEB. 1, 2006

RECORDED: 07/17/2002