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RECORDATION FOI

09-09-2002

ONLY

BOX ASSIGNMENT
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102215753

1. Total number of pages including cover sheet, attachments and document: 11

2. Name of Conveying Party(ies) and Execution Date(s) of Document(s) ☐ Check here if additional name(s) attached

Name(s): Sarnoff Corporation (formerly, The David Sarnoff Research Center, Inc.)

Execution Date(s): August 27, 2002

3. Name and address of receiving party

☐ Check here if additional name(s) & address(es) are attached

Name SARIF, Inc.

Address 600 SE Assembly Avenue, Suite 100

City Vancouver

State/Country WA

Zip 98661

4. Nature of Conveyance

☒ Assignment☐ Merger☐ Security Agreement☐ Name Change☐ Other:

5. Total number of applications and patents involved: 14

6. Total Fee Enclosed (37 C.F.R. § 3.41): \$560.00

7. ☒ Please charge \$560.00 to Deposit Account No. 02-4550. Two copies of this sheet are enclosed.

8. Enter either the Execution date (of the Declaration and Power of Attorney), Application Number, or the Patent Number. Do not enter more than one number for the same patent.

A. ☐ This document is being filed with a new application. Execution date is: _____B. ☒ Patent Application No.(s) or Patent No.(s): 5,063,378, 5,122,792, 5,337,068, 5,012,497, 5,076,667.☒ Check here if additional numbers are attached

9. Correspondent's name, address, and telephone number

Michael D. Jones

Klarquist Sparkman, LLP

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Portland, Oregon 97204-2988

Telephone: 503-226-7391

FINANCE SECTION
AUG 29 11 17 59 AM '0210. ☒ Please return the attached postcard to confirm that these items have been received.

11. 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.

Michael D. Jones

Name of Person Signing

Signature

August 29, 2002

Date

09/06/2002 LNUELLER 00000238 024550 5063378

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cc: Docketing

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**RECORDATION FORM COVER SHEET - PATENTS ONLY
CONTINUATION SHEET****12. Additional Name(s) of Conveying Parties and Execution Date(s) of Document(s)**

Name: _____

Execution Date:

Name: _____

Execution Date:

13. Additional Patent number(s) or Patent Application number(s).**Enter either the Application Number or the Patent Number. Do not enter both numbers for the same property.**

5,001,481

5,038,368

5,113,097

5,483,366

6,078,364

5,633,653

6,046,719

6,046,736

09/474,293

cc: Docketing

**PATENT
REEL: 013248 FRAME: 0759**

PATENT ASSIGNMENT

THIS PATENT ASSIGNMENT (the "Agreement") is made as of this 27th day of August 2002, between Sarnoff Corporation (formerly, The David Sarnoff Research Center, Inc.), a New Jersey corporation, ("Assignor") and SARIF, Inc., an Oregon corporation ("Assignee").

RECITALS:

1. Assignee and Assignor are named parties to the Sarnoff License Agreement dated September 30, 1994, as Amended and Restated as of February 2, 1996 (the "License").
2. Assignor is the owner of the unfiled invention disclosures, and the patents and patent applications listed in Exhibit A and Exhibit B (the "Patents").
3. This Agreement is entered into for the purpose of transferring all of Assignor's rights, subject to certain rights, in the Patents, their foreign counterparts, including any and all claimed inventions described therein and any and all corresponding patents in any country, patents derived from divisional or continuation applications and the right to claim priority from any such applications, and any patent applications, reissues, or extensions of patent rights and letters patent and any patents, including any divisional or continuation applications, and any patent applications, reissues, or extensions of patent rights and letters patent, resulting or derived from the unfiled invention disclosures (together, the "Assigned Patents"), to Assignee.

ASSIGNMENT:

- A. For good and valuable consideration, receipt and sufficiency of which is hereby acknowledged, Assignor hereby sells, assigns and transfers to Assignee all of Assignor's worldwide right, title, and interest in and to the Assigned Patents, subject to Section B below and further subject to the rights set forth in Exhibit B of the License, to be held and enjoyed by Assignee, for its own use and benefit, and by Assignee's successors and assigns for their own use and benefit, for the full duration of the terms for which patent right and letters patent may be granted in the U.S. or any other country.
- B. Assignee grants to Assignor a royalty-free, fully paid, perpetual, worldwide, non-exclusive license, with right to sublicense, under the Assigned Patents to make, have made, use, lease, distribute, import, offer for sale, and sell, provided that Assignee grants no rights whatsoever to the Assignor within the field of Projection Display Product, as such term is defined in the License.
- C. Assignor covenants that Assignor has full right to grant such transfer, subject to the rights set forth in Exhibit B of the License, and agrees that Assignor will communicate to Assignee, and its successors and assigns, any facts known to Assignor respecting the Assigned Patents, and Assignor will testify in any legal proceeding, sign all lawful papers, execute all lawful divisional, continuation, and reissue applications, make all rightful declarations or oaths, and do everything lawfully possible to aid Assignee and its successors and assigns, to record Assignee's ownership of and obtain and enforce proper patent protection for the Assigned Patents in the U.S. and any other country.



- D. Assignee will bear all future costs of maintaining, prosecuting, and enforcing the Assigned Patents. Assignee shall reimburse Assignor for any reasonable expenses, including out-of-pocket expenses and labor of Assignor's employees at Assignor's normal commercial rates, incurred by Assignor as a result of a request by Assignee for assistance in maintaining, enforcing or prosecuting the Assigned Patents under Paragraph C.
- E. The License shall not be affected by this Agreement, except that it shall no longer pertain to the Assigned Patents or affect any right associated therewith.

Sarnoff Corporation

Name

WJ BURKE

Title

NICE PRESIDENT

SARIF, Inc.

Name

Steven R. Hix

Title

Chairman COO

(Notarization Follows)

Executed at _____ State of _____ this _____ day of _____.

STATE OF New Jersey

COUNTY OF Mercer

) ss.
)

This _____ day of _____ before me personally came the above-named _____ who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth.

Notary Public for _____
My commission expires: _____

(seal)

Executed at Portland State of OREGON this 27th day of August 2002

STATE OF OREGON

COUNTY OF MULTNOMAH

) ss.
)

This 27th day of August before me personally came the above-named Steven R. Hix who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth.

Notary Public for OREGON
My commission expires: Dec 1, 2002

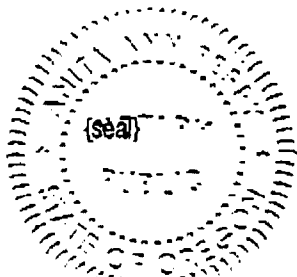


Exhibit B - SARIF Patents

Case No.	Title	Inventor(s)	Status	Application No.	Filing Date	Patent No.	Issue Date	Country
10238	Scanned Liquid Crystal Display With Select Scanner Redundancy	Roach, W. R.	Granted	07/455191	12/22/1989	5063378	11/5/1991	US
10238	Scanned Liquid Crystal Display With Select Scanner Redundancy	Roach, W. R.	Granted	91902829.0	12/12/1990	0506875	9/6/1995	EP
10238	Scanned Liquid Crystal Display With Select Scanner Redundancy	Roach, W. R.	Granted	03-503235	12/12/1990	3068646	5/18/2000	JP
10238	Scanned Liquid Crystal Display With Select Scanner Redundancy	Roach, W. R.	Granted	92-701455	12/12/1990	212867	5/12/1999	KR
10238	Scanned Liquid Crystal Display With Select Scanner Redundancy	Roach, W. R.	Granted	91902829.0	12/12/1990	0506875	9/6/1995	GB

Sarnoff Proprietary Information

Page 1 of 7

7/24/2002

Case No.	Title	Inventor(s)	Status	Application No.	Filing Date	Patent No.	Issue Date	Country
10238	Scanned Liquid Crystal Display With Select Scanner Redundancy	Roach, W. R.	Granted	91902829.0	12/12/1990	69022248.3	9/6/1995	DE
10238	Scanned Liquid Crystal Display With Select Scanner Redundancy	Roach, W. R.	Granted	91902829.0	12/12/1990	0506875	9/6/1995	FR
10238	Scanned Liquid Crystal Display With Select Scanner Redundancy	Roach, W. R.	Granted	91902829.0	12/12/1990	0506875	9/6/1995	IT
10238	Scanned Liquid Crystal Display With Select Scanner Redundancy	Roach, W. R.	Granted	91902829.0	12/12/1990	0506875	9/6/1995	ES
10334	Electronic Time Vernier Circuit	Stewart, R. G.	Granted	03-513284	3/29/1991	3114145	9/29/2000	JP
10334	Electronic Time Vernier Circuit	Stewart, R. G.	Granted	07/541653	6/21/1990	5122792	6/16/1992	US

Sarnoff Proprietary Information

Page 2 of 3

7/24/2002

Case No.	Title		Inventor(s)	Status	Application No.	Filing Date	Patent No.	Issue Date	Country
10343	A	Field Sequential Display System Utilizing A Backlit LCD Pixel Array And Method For Forming An Image	Roach, W. R. Stewart, R. G.	Granted	08/012981	2/1/1993	5337088	8/9/1994	US
10461		High Speed Frequency Divider Circuit	Lee, S. N.	Granted	06-503512	12/5/1990	3003217	11/19/1999	JP
10461		High Speed Frequency Divider Circuit	Lee, S. N.	Granted	07/470273	1/25/1990	5012497	4/30/1991	US
10502		High Speed Signal And Power Supply Bussing For Liquid Crystal Displays	Ipri, A. C. Stewart, R. G.	Granted	07/471566	1/29/1990	5076667	12/31/1991	US
10552	A	MOS Transistor Threshold Compensation Circuit	Lee, S. N.	Granted	07/472135	1/30/1990	5001481	3/19/1991	US
10552	B	Redundancy Control Circuit Employed With Various Digital Logic Systems Including Shift Registers	Lee, S. N.	Granted	07/473751	2/2/1990	5038368	8/6/1991	US

Case No.	Title		Inventor(s)	Status	Application No.	Filing Date	Patent No.	Issue Date	Country
10574	A	CMOS Level Shifter Circuit	Lee, S. N.	Granted	07/696981	5/2/1991	5113097	5/12/1992	US
11499		Liquid Crystal Display With High Capacitance Pixel	Atherton, J. H.	Granted	95928063.7	7/20/1995	0 803 078	5/8/2002	GB
11499		Liquid Crystal Display With High Capacitance Pixel	Atherton, J. H.	Pending	08-505139	7/20/1995			JP
11499		Liquid Crystal Display With High Capacitance Pixel	Atherton, J. H.	Pending	97-700370	7/20/1995			KR
11499		Liquid Crystal Display With High Capacitance Pixel	Atherton, J. H.	Granted	95928063.7	7/20/1995	69526676.4	5/8/2002	DE
11499		Liquid Crystal Display With High Capacitance Pixel	Atherton, J. H.	Granted	95928063.7	7/20/1995	0 803 078	5/8/2002	FR

Case No.	Title	Inventor(s)	Status	Application No.	Filing Date	Patent No.	Issue Date	Country
11499	Liquid Crystal Display With High Capacitance Pixel	Atherton, J. H.	Granted	95928063.7	7/20/1995	0 803 708	5/8/2002	EP
11499	LCD With High Capacitance Pixel Having An ITO Active Region/Poly Si Pixel Region Electrical Connection And Having Poly Si Selection Line Extensions Along Pixel Edges	Atherton, J. H.	Granted	08/277824	7/20/1994	5483366	1/9/1996	US
11499	Liquid Crystal Display With High Capacitance Pixel	Atherton, J. H.	Granted	95928063.7	7/20/1995	0 803 078	5/8/2002	IT
11499 A	Liquid Crystal Display With High Capacitance Pixel	Atherton, J. H.	Granted	08/472836	6/7/1995	6078364	6/20/2000	US
11502	Display Architecture		Granted	PI 9502601	8/31/1995	MY-112171-A	4/30/2001	MY
11502	Simultaneous Sampling Of Demultiplexed Data And Driving Of An LCD Pixel Array With Ping-Pong Effect	Atherton, J. H.	Granted	08/298295	8/31/1994	5633653	5/27/1997	US

Sarnoff Proprietary Information

Page 5 of 5

7/24/2002

Case No.	Title	Inventor(s)	Status	Application No.	Filing Date	Patent No.	Issue Date	Country
11502	Display Architecture	Atherton, J. H.	Pending	08-508906	8/31/1995			JP
11502	Display Architecture	Atherton, J. H.	Pending	97-701332	2/28/1997			KR
11502	Display Architecture	Atherton, J. H.	Pending	959330218	8/31/1995			EP
11543	Column Driver For A Display	Dingwall, A. G.	Pending	08-518904	12/8/1995			JP
11543	Column Driver For A Display	Dingwall, A. G.	Pending	97-703874	12/8/1995			KR
11543 A	Column Driver With Switched-Capacitor D/A Converter	Dingwall, A. G.	Granted	08888912	7/7/1997	6046719	4/4/2000	US
12423	Self Scanned Amorphous Silicon Integrated Display Having Active Bus And Reduced Stress Column Drivers	Atherton, J. H.	Granted	09/201033	11/30/1998	6046736	4/4/2000	US

Sarnoff Proprietary Information

Page 6 of 7

7/24/2002

Case No. Title Inventor(s) Status Application No. Filing Date Patent No. Issue Date Country

12423 Self Scanned Amorphous Silicon Integrated Display Having Active Bus And Reduced Stress Column Drivers Atherton, J. H. Pending 88114041 8/17/1999 TW

12423 A Self Scanned Integrated Display Having Reduced Stress Column Drivers Atherton, J. H. Allowed 09/474293 12/29/1999 US

Sarnoff Proprietary Information

Page 7 of 7

7/24/2002