

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Ponnusamy Palanisamy	05/12/2003
RECEIVING PARTY DATA	
Name:	Sarnoff Corporation
Street Address:	201 Washington Road
City:	Princeton
State/Country:	NEW JERSEY
Postal Code:	08540-6449
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	11699322
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ATTORNEY DOCKET NUMBER:	012.P56022RE
NAME OF SUBMITTER:	Julianne Flynn
Total Attachments: 2 source=JJF_112P56022RE#page1.tif source=JJF_112P56022RE#page2.tif	

CH \$40.00 11699322

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PATENT  
REEL: 019196 FRAME: 0823

**ASSIGNMENT - Patent Application**Docket Number: **SAR 14672**

Whereas, the Assignor, comprising the following named inventors:

ASSIGNOR(s)/ INVENTOR(s)	1. <b>Ponnusamy Palanisamy</b>	2.
	3.	4.
	5.	6.

made an invention entitled: **LOW-COST CIRCUIT BOARD MATERIALS AND PROCESSES FOR AREA ARRAY ELECTRICAL INTERCONNECTIONS OVER A LARGE AREA BETWEEN A DEVICE AND THE CIRCUIT BOARD**for which an application for Letters Patent of the United States:  
(Select one of the following):

- ☒ is executed concurrently herewith  
☐ was filed in the U.S. Patent and Trademark Office on \_\_\_\_\_,  
as U.S. Patent Application Serial No.:

ASSIGNEE  
(Full Name and Address)Sarnoff Corporation  
201 Washington Road  
Princeton, NJ 08540-6449

is desirous of acquiring the entire interest in and to said invention and the Letters Patent to be obtained therefor,

Now, therefore, in consideration of the payment by Assignee to Assignor of a sum corresponding to One Dollar (\$1.00), and for other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor, intending to be legally bound, hereby sells, assigns and transfers to Assignee, its successors and assigns the full and exclusive right, title and interest in and to said invention, all applications for Letters Patent for said invention, including all divisions, continuations, and continuations-in-part thereof, all rights to claim priority based thereon, and all Letters Patent, including reissues, to be obtained therefor, including any and all foreign patent rights in this invention corresponding thereto.

Assignor hereby warrants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

Assignor agrees it shall be legally bound, upon request of the Assignee or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the Assignor has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the Assignee, and to execute all instruments proper to carry out the intent of this instrument.

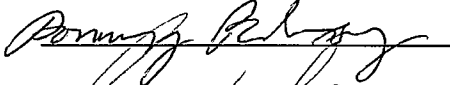
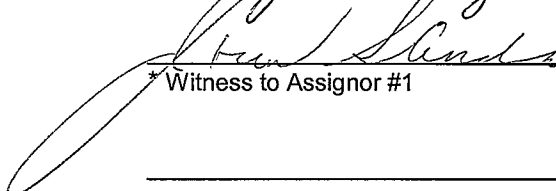
If the invention requires a biological deposit, Assignor also grants to Assignee such control over any deposit made by Assignor as may be necessary to the validity of the patent rights assigned herein.

**ASSIGNMENT - Patent Application**Docket Number: **SAR 14672**

Assignor authorizes Assignor's attorney to insert at the end hereof, the serial number and filing date of the aforesaid application for United States Letters Patent and/or the Attorney Docket or file designation for this application if not identified above.

If the Assignor includes more than one individual, these obligations shall apply to these individuals both individually and collectively.

In witness whereof, this Assignment is executed on the day indicated below.

	Typed or Printed Name	Signature	Date
SIGNATURE	1. Ponnusamy Palanisamy		May 12, 2003
			5/13/03
		* Witness to Assignor #1	
	2.		
		* Witness to Assignor #2	
	3.		
		* Witness to Assignor #3	
	4.		
		* Witness to Assignor #4	
5.			
	* Witness to Assignor #5		
6.			
	* Witness to Assignor #6		

Application for United States Letters Patent:

Serial No.:

Filed:

Attorney Docket Number: **SAR 14672**

Total Number of Assignment Pages **2**

\* Witness signature recommended, mandatory for some countries