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Timothy Allen Pletcher

**2. Name and address of receiving party(ies)**

Name: Sarnoff Corporation

Internal Address: \_\_\_\_\_

Street Address: 201 Washington Road

City: Princeton

State: NJ

Country: USA Zip: 08540

Additional name(s) & address(es) attached? ☐ Yes ☐ No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) April 18, 2006

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Joint Research Agreement

☐ Government Interest Assignment

☐ Executive Order 9424, Confirmatory License

☐ Other \_\_\_\_\_

**4. Application or patent number(s):**

A. Patent Application No.(s)

☐ This document is being filed together with a new application.  
B. Patent No.(s)

Additional numbers attached? ☐ Yes ☐ No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Docket Administrator

Internal Address: Lowenstein Sandler PC

Street Address: 65 Livingston Avenue

City: Roseland

State: NJ Zip: 07068

Phone Number: 973-597-2500

Fax Number: 973-597-2400

Email Address: \_\_\_\_\_

**6. Total number of applications and patents involved: 1**

**7. Total fee (37 CFR 1.21(h) & 3.41) \$20.00**

☐ Authorized to be charged by credit card

☒ Authorized to be charged to deposit account

☐ Enclosed

☐ None required (government interest not affecting title)

**8. Payment Information**

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Expiration Date 04/2006

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**9. Signature:**

Mark P. Kessler

Signature

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 3

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PATENT  
REEL: 017785 FRAME: 0180

Attorney Docket No.: 18703-703

**ASSIGNMENT**

**WHEREAS, I, Timothy Allen Pletcher** (citizen of the United States), ("ASSIGNOR") residing at 58 Manchester Road, Eastampton, New Jersey 08060, have invented, developed, and/or have rights in the invention(s) ("THE INVENTION(S)") disclosed in: (1) Provisional Patent Application Serial No. 60/672,821, filed on April 19, 2005; (2) Provisional Patent Application Serial No. 60/673,013, filed on April 19, 2005; and U.S. Non-Provisional Patent Application entitled **System and Method For Spatially Selective Particulate Deposition and Enhanced Particulate Deposition Efficiency**, executed by me on even date herewith, for which I hereby authorize and request any of my attorneys, Kesslen, Mark P. (Reg. No. 34,848), Buckingham, Stephen R. (Reg. No. 40,538), Di Nunzio, Mary Catherine (Reg. No. 37,306), Lubit, Beverly W. (Reg. No. 47,759), Brown, Hallie K. (Reg. No. 41,910), Dobrow, James F. (Reg. No. 46,666), Sierchio, Daniel D. (Reg. No. 53,591), Buck, Margaret (Reg. No. 54,010), Abadir, Nader (Reg. No. 52,537), or any other attorney of Lowenstein Sandler PC, which has a place of business at 65 Livingston Avenue, Roseland, NJ 07068, to insert here in parentheses ( ) the filing date and application number of the Non-Provisional Patent Application when known; (collectively the "Patent Applications");

**AND WHEREAS SARNOFF CORPORATION** ("ASSIGNEE"), having a place of business at 201 Washington Road, Princeton, New Jersey 08540, desires to acquire the entire right, title, and interest in and to THE INVENTION(S) and the Patent Applications;

**NOW, THEREFORE**, in consideration of the sum of one dollar (\$1.00) in hand and/or other good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned, transferred and set over, and do hereby sell, assign, transfer and set over to ASSIGNEE the entire right, title and interest in and to THE INVENTION(S) and the Patent Applications and all patents and patent applications claiming priority to and/or benefit of the Patent Applications including divisions, continuations, and continuations-in-part thereof and all reissues, reexaminations, and extensions thereof, and all priority rights under the International Convention for the Protection of Industrial Property for every member country, and all applications for patents (including related rights such as utility-model registrations, registrations, inventor's certificates, and the like) heretofore or hereafter filed for THE INVENTION(S) in any foreign country/countries, and all patents (including all extensions, renewals and reissues thereof) granted for THE INVENTION(S) and the Patent Applications in any foreign country/countries;

**AND I HEREBY** authorize and request the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty is to issue patents on applications as aforesaid, to issue all patents for THE INVENTION(S) and/or the Patent Applications in the name of ASSIGNEE in accordance with the terms of this assignment;

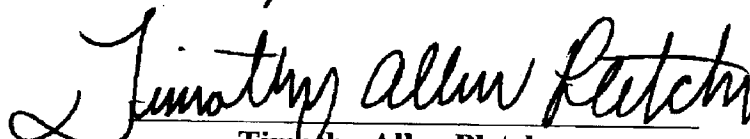
**AND I HEREBY** covenant that I have full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith;

**AND I HEREBY** further covenant and agree that I will communicate to ASSIGNEE any facts known to us respecting THE INVENTION(S) and the Patent Applications, sign all lawful papers, execute all divisional, continuation, continuations-in-part, substitute, reexamination, and reissue applications, make all rightful oaths and generally do everything possible to aid ASSIGNEE to obtain and enforce proper patent protection for THE INVENTION(S) and the Patent Applications in all countries.

Assignment Page 1 of 2

Attorney Docket No.: 18703-807

In testimony whereof, I hereunto set my hand this 18<sup>th</sup> day of April, 2006.

  
Timothy Allen Pletcher

STATE OF New Jersey )  
COUNTY OF 1 ) SS:

On \_\_\_\_\_, 200\_\_, before the undersigned, a Notary Public for the State and County aforesaid, personally appeared **Timothy Allen Pletcher**, known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the above assignment, and acknowledged that he executed the same.

\_\_\_\_\_  
(Notary Public)

Assignment Page 2 of 2

PATENT

RECORDED: 04/18/2006]

REEL: 017785 FRAME: 0182