

Form PTO-1595 (Rev. 10/02) **RECORDATION FORM COVER SHEET PATENTS ONLY** U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

OMB No. 0651-0027 (exp. 6/30/2005)

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
Henry A. Hill

Additional name(s) of conveying party(ies) attached?  Yes  No

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

Execution Date: 05/21/2004

2. Name and address of receiving party(ies)  
 Name: Zetetic Institute  
 Internal Address: \_\_\_\_\_  
 Street Address: 1665 E. 18th Street, Suite 203  
 City: Tucson State: AZ Zip: 85719

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: \_\_\_\_\_

A. Patent Application No.(s) 10/774,250  
 B. Patent No.(s) \_\_\_\_\_

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
 Name: Wilmer Cutler Pickering Hale and Dorr LLP  
 Internal Address: Eric L. Prah  
 Street Address: 60 State Street  
 City: Boston State: MA Zip: 02109

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00  
 Enclosed  
 Authorized to be charged to deposit account

8. Deposit account number:  
08-0219

(Attach duplicate copy of this page if paying by deposit account)

**DO NOT USE THIS SPACE**

9. 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.*

Eric L. Prah, Reg. No. 32,590 [Signature] June 10, 2004  
 Name of Person Signing Signature Date

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

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

CH \$40.00 080219 10774250

ASSIGNMENT

WHEREAS, I, Henry Allen Hill, a citizen of the United States and residing at 340 S. Avenida de Palmas, Tucson, Arizona 85716, United States of America, am the Inventor of certain new and useful inventions and discoveries, for which I have made an application for a United States Patent entitled "MULTIPLE-SOURCE ARRAYS FED BY GUIDED-WAVE STRUCTURES AND RESONANT GUIDED-WAVE STRUCTURE CAVITIES" also identified as Attorney Docket Number 114096.125 US2 (ZI-39) the specification of which was filed with the United States Patent and Trademark Office on February 6, 2004, and has been assigned Serial Number 10/774,250.

WHEREAS, Zetetic Institute, whose address is 1665 E. 18<sup>th</sup> Street, Suite 206, Tucson, Arizona 85719, United States of America, which, together with its successors and assigns is hereinafter called "ASSIGNEE," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited;

NOW, THEREFORE, for and in consideration of my employment by ASSIGNEE and other valuable consideration furnished by ASSIGNEE to me, receipt and sufficiency of which I hereby acknowledge, I hereby, without reservations:

1. Assign, transfer, and convey to ASSIGNEE the entire right, title, and interest in and to said inventions and discoveries, said United States Patent Application, any and all other applications for Letters Patent(s) on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, continuation-in-part, reexamination and convention applications based in whole, or in part, upon said inventions or discoveries, or upon said United States Patent Application, and any and all Letters Patent(s), reissues, and extensions of Letters Patent(s) granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon, or arise from, said inventions, said discoveries, said applications, and said Letters Patent(s);
2. Authorize ASSIGNEE to file patent applications in any or all countries on any or all of said inventions and discoveries in our names or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable, under International Conventions or otherwise;
3. Authorize and request the Commissioner of Patents and Trademarks of the United States

of America and the empowered officials of all other governments throughout the world to issue or transfer all said Letters Patent(s) to ASSIGNEE, as assignee of the entire right, title, and interest therein or otherwise as ASSIGNEE may direct;

4. Warrant that I have not knowingly conveyed to others any right in said inventions, discoveries, applications, or patents, or any license to use the same, or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; and that I have good right to assign the same to ASSIGNEE without encumbrance;

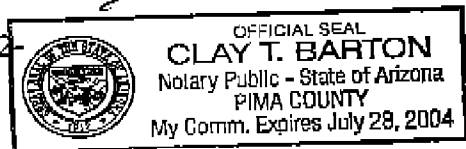
5. Bind my heirs, legal representatives, and assigns, as well as myself, to do, upon ASSIGNEE's request and at ASSIGNEE's expense, but without additional consideration to either myself or them, all acts reasonably serving to assure that said inventions and discoveries, said patent applications, and said Letters Patent(s) shall be held and enjoyed by ASSIGNEE as fully and entirely as the same could have been held and enjoyed by myself, my heirs, legal representatives, and assigns if this Assignment had not been made; and particularly to execute and deliver to ASSIGNEE all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by ASSIGNEE; and to communicate to ASSIGNEE all facts known to me relating to said inventions and discoveries or the history thereof, and to testify as to the same in any court or proceeding; and to furnish ASSIGNEE any and all documents, photographs, models, samples, and other physical exhibits in my control or in the control of my heirs, legal representatives, or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 21<sup>st</sup> day of May (Month/Year) 2004.

Henry Allen Hill  
Henry Allen Hill

On this 21 day of MAY 2004 (Month/Year), before me personally came the above-named Henry Allen Hill to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

WITNESS: Clay T. Barton



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