11-05-2002 Form **PTO-1595** RECORD. DEPARTMENT OF COMMERCE (Rev. 03/01) U.S. Patent and Trademark Office OMB No. 0651-0027 (exp. 5/31/2002) Tab settings ⇔ ⇔ ♥ To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies) Name: National Science Foundation Northwestern University Internal Address: Office of the General Counsel **Suite 1265** Additional name(s) of conveying party(ies) attached? Yes 3. Nature of conveyance: Assignment Merger Street Address: 4201 Wilson Boulevard Security Agreement Change of Name Other\_ Confirmatory License City: Arlington State: VA Zip: 22230 07/09/99 Execution Date: Additional name(s) & address(es) attached? Yes Vo 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) 09/304,874 B. Patent No.(s) Additional numbers attached? Yes 🗸 No 6. Total number of applications and patents involved: 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41).....\$\_0.00 Robin Clay Fritsch Name: **Enclosed** Office of the General Counsel Internal Address:\_ Authorized to be charged to deposit account Suite 1625 8. Deposit account number: Street Address: 4201 Wilson Boulevard City: Arlington State: VA Zip: 22230 DO NOT USE THIS SPACE

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## LICENSE TO THE UNITED STATES GOVERNMENT

WHEREAS, Seng-Tiong Ho and Deanna Rafizadeh, of NORTHWESTERN UNIVERSITY, have invented an invention entitled, "Semiconductor Micro-Resonator Device" (NU 9607CIP) and filed a patent application thereon in the United States bearing Serial No. 09/304,874 on May 4, 1999; and

WHEREAS, the invention was made in the course of research supported by the Advanced Research Projects Agency (F49620-96-1-0262); and

WHEREAS, the United States Government is entitled to certain rights in and to said invention and application by reason of the terms of such support; and

WHEREAS, NORTHWESTERN UNIVERSITY, hereinafter called the "Licensor", has acquired by assignment from the inventor the entire right, title and interest of the inventor to such invention;

## NOW, THEREFORE

- 1. The Licensor, in consideration of the premises and other good and valuable considerations, hereby grants and conveys to the United States Government (including any agency thereof, state, or domestic municipal government) a royalty-free, non-exclusive, and irrevocable license to make use and sell for any governmental purposes, and on behalf of any foreign government pursuant to any existing or future treaty or agreement with the United States of America, embodiments of the invention described in the aforesaid application and in any and all divisions, continuations and continuations-in-part thereof, and in any and all reissues thereof, during the full term or terms thereof.
- 2. The Licensor covenants and warrants that it has the right to grant the fore-going license, and that any assignment which it may make of the invention or the said patent applications or patents thereon, shall expressly be made subject to this license.
- 3. The Licensor agrees that the Government shall not be estopped at any time to contest the enforceability, validity, scope of, or title to any patent or patent application herein licensed.

(Date)

NORTHWESTERN UNIVERSITY

By: May 124 - Landa II - Lydia Villa-Komaroff Ph.D

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