

PATENT ASSIGNMENT

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| RECEIVING PARTY DATA | |
| Name: | National Science Foundation |
| Street Address: | 4201 Wilson Blvd. |
| Internal Address: | rm 1265 |
| City: | Arlington |
| State/Country: | VIRGINIA |
| Postal Code: | 22230 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
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LICENSE TO THE UNITED STATES GOVERNMENT

This instrument confirms to the United States Government, as represented by the National Science Foundation, an irrevocable, nonexclusive, nontransferable, royalty-free license to practice or have practiced on its behalf throughout the world the following subject invention:

Invention title : INCREASED PRODUCTION OF ISOPRENOIDS BY
MODULATING HMG-COA ACCUMULATION IN A MICROBE
EXPRESSING A FOREIGN MEVALONATE PATHWAY

Inventors : Kay D. Keasling, Douglas Pitera, Jack D. Newman

Patent Application
Serial No. : 11/134,705

Filing Date : May 20, 2005

Country (if other
than U.S.) :

NSF Disclosure No. :

This subject invention was made with National Science Foundation Grant No.
BES-99-9911463.

Principal rights to this subject invention have been left with The Regents of the University of California, Licensor.

Signed: Carol Mimura Date: 7/12/05
Carol Mimura, Ph.D.
Director

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Accepted on behalf of the Government:

[Signature] 10/25/05
NSF Patent Paralegal Date

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PATENT

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