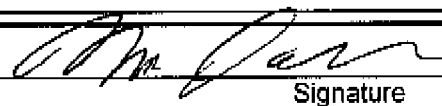


Form PTO-1595 (Rev. 07/05)
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Invention Title: Sol-Gel Encapsulated Metal-Halide Clusters for Optical Fiber Sensing of Oxygen

Inventor(s): Gregory L. Baker, Ruby N. Ghosh, D. J. Osborn

U.S. Filing/Issue Date: 1/26/2006

Patent or Application Serial No.: 11/340,207

Grant/Contract Number(s): DE-FC26-02NT41582

Foreign Applications filed/intended in (countries): _____

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Signed this 21st day of October, 20 09.

By Michael R. Paterak
(Name of Grantee/Contractor Official)

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For MICHIGAN STATE UNIVERSITY
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(Business Address)

TEC 2004-0137