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A. Patent Application No.(s) 09/473,269 Additional numbers att	B. Patent No.(s)ached? Yes No
5. Name and address of party to whom correspondence	6. Total number of applications and patents involved:
concerning document should be mailed: Name: Robin Clay Fritsch	7. Total fee (37 CFR 3.41)\$_0.00
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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: Functionalized Monolith Catalyst and Process for

Production of Ketenes

Inventor(s): Mark Barteau; Marylin Huff; Uwe Pogodda; Ramiro Matinez-Rey

University of Delaware Docket No.: UD99-04

Serial Number: 09/473,269 Filing Date: December 27, 1999

Country, if other than United States:

NSF Disclosure No.: N/A

This subject invention was made with the following support from NSF:

Grant or Contract Number: CTS 94-10965

Grantee or Contractor: University of Delaware

Principal rights to this subject invention have been left with the University of Delaware.

Signed:

T W Fracer Ruccell

Title: Acting Vice Provost for Research

Date: 6/6/06

Accepted on behalf of the Government:

NSE Patent Paralegal

Date: ////CM XCQ

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PATENT REEL: 013416 FRAME: 0977