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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE

CONVEYING PARTY DATA

Name	Execution Date
GENOMATICA, INC	05/11/2015

RECEIVING PARTY DATA

Name:	UNITED STATES DEPARTMENT OF ENERGY	
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PROPERTY NUMBERS Total: 1

Property Type	Number
Patent Number:	8026582

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Total Attachments: 1

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Department of Energy Office of Science science.energy.gov/isc/services/legal/

CONFIRMATORY LICENSE

Title of Invention:

METHODS FOR THE SYNTHESIS OF OLEFINS AND DERIVATIVES

Inventor(s):

Mark J. Burk, et al.

Patent Application Serial No:

12/188,582

Filing Date Aug 8, 2008

Patent Number:

8,026,386

Issue Date: Sep 27, 2011

Name of Contractor (i.e. Contractor, Subcontractor, Grant, or Cooperative Agreement, as applicable):

Name of Contractor: Genomatica, Inc.

DOE Contract No. (i.e. Contract, Subcontract, Grant, or Cooperative Agreement, as applicable):

DE-FG02-06ER84536 and DE-FG02-07ER84865

DOE Case No.: S-

Contractor Docket No.:

12956-038-999

The Contractor has reported the above-identified invention as a Subject Invention to DOE and has elected to retain title thereto.

Accordingly, this document is confirmatory of the nonexclusive, nontransferable, irrevocable, paid-up, worldwide license in this subject invention, patent application and any resulting patent, including any continuation, divisional, reissue, or supplemental application thereof, to practice or to have practiced for or on behalf of the United States throughout the world; and of all other rights acquired by the Government by the patent rights clause in the above-identified contract.

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The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

Contractor Name Genomatica, Inc.

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PATENT REEL: 049872 FRAME: 0394

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RECORDED: 07/25/2019