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ARL 09-06

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**1. Name of conveying party(ies)**

Brian M. Sadler

**2. Name and address of receiving party(ies)**Name: The United States of America as represented by theInternal Address: Secretary of the ArmyAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No**3. Nature of conveyance/Execution Date(s):**Execution Date(s) 3/15/2009☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Joint Research Agreement☐ Government Interest Assignment☐ Executive Order 9424, Confirmatory License☐ Other \_\_\_\_\_

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City: WashingtonState: DCCountry: USA Zip: 20310Additional name(s) & address(es) attached? ☐ Yes ☒ No**4. Application or patent number(s):**☐ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

12/605,167

Additional numbers attached? ☐ Yes ☒ No**5. Name and address to whom correspondence concerning document should be mailed:**Name: U.S. Army Research LaboratoryInternal Address: Attn: RDRL-LOC-I/Guy M. MillerStreet Address: 2800 Powder Mill RoadCity: AdelphiState: MarylandZip: 20783Phone Number: 301-394-3791Fax Number: 301-394-3972Email Address: guy.m.miller@arl.army.mil**6. Total number of applications and patents involved: 1****7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00**☒ Authorized to be charged to deposit account☐ Enclosed☐ None required (government interest not affecting title)**8. Payment Information**Deposit Account Number 19-2201Authorized User Name Guy M. Miller**9. Signature:**

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Guy M. Miller, Reg. No. 32,333

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**ASSIGNMENT AND AGREEMENT**

Title of Invention: Method and Implementation for Information Exchange Using Markov Models

Inventor(s): John S. Baras, Paul L. Yu, Brian M. Sadler

Date Declaration Executed: 3/12/2010

\*Application Serial No.: 12/605,167

\*Filing Date: 10/23/2009

(\*Data not known at execution may be added later for better identification.)

I (We), the undersigned inventor(s), in consideration of the rights of the Government of the United States acquired by virtue of circumstances under which the above-identified invention was made, hereby:

1. Assign to the Government of the United States, as represented by the Secretary of the Army, the entire right, title, and interest throughout the United States, its Territories, Possessions, and Puerto Rico, in and to the above-entitled invention and application for patent and all Letters Patent issuing thereon, and any continuation, continuation-in-part or division of said application and any reissue or extension of said Letters Patent.

2. Agree to assign to the Government upon its request, title and interest in the invention in those foreign countries in which the Government, within eight months of the filing of the United States application for patent, determines to cause an application to be filed; provided that if the Government determines not to cause an application to be filed in any particular foreign country or fails to make such a determination, within the said eight months, all right, title and interest in the invention in such foreign country shall remain in me (us), subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent in which may issue on the invention in such foreign country, including the power to issue sublicenses for use in behalf of the Government and/or furtherance of the foreign policies of the Government.

3. Agree to provide any further information within my (our) knowledge and to execute any further documents necessary to the prosecution of patent applications on the invention, the prosecution and settlement of interferences and recording of title to patent applications and patents issuing thereon.

Signature of Inventor: BRIAN M. SADLER Brian Sadler  
(First name) (Middle Initial) (Last Name)

Duty Address: Army Research Laboratory, Adelphi, Montgomery Maryland  
(Locality) (County) (State)

Date: 15 March 2009 Typed name of Inventor: Brian M. Sadler

\*\*\*\*\**(notarizing preferred)*\*\*\*\*\*State of: Maryland ) SS.County of: Montgomery ) [place where acknowledgement is taken]

On the above date known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his own free act and deed. In witness whereof I hereunto set my hand and official seal.

Nadine L. Loman  
(Printed or typewritten name of notary public)

Nadine L. Loman  
(Signature of notary public)

My Commission expires on February 27, 2011