PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GEORGE STUART BLAIR WILLIAMS	04/27/2011

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 3

Property Type	Number
Application Number:	61294194
Application Number:	61294205
Application Number:	13005433

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ATTORNEY DOCKET NUMBER:	312493-000004	
NAME OF SUBMITTER:	BERT LEE	
SIGNATURE:	/Bert Lee/	
DATE SIGNED:	10/16/2014	

Total Attachments: 1

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PATENT 503021291 REEL: 033962 FRAME: 0247

ASN3.10.030U

Docket Number: GMU.10.030U

ASSIGNMENT OF INVENTION

WHEREAS, George Stuart Blair Williams, hereinafter called the "Assignor," has invented a new and useful invention entitled, "Fast Computational Algorithm for Solving Discrete Markov Models" for which the United States Patent Application entitled, "Solving Discrete Markov Models," Provisional Application number 61/294,194 was filed January 12, 2010; and for which the United States Patent Application entitled, "Solving Discrete Markov Models," Provisional Application number 61/294,205 was filed January 12, 2010; and for which the United States Letters Patent Application entitled, "Method and System for Utilizing Markov Chain Monte Carlo Simulations," application number 13/005,433 was filed January 12, 2011.

WHEREAS, George Mason University, of Fairfax, Virginia, hereinafter called the "Assignee", whose mailing address is: 4400 University Drive, Fairfax, VA 22030, is desirous of acquiring the entire right, title and interest in and to said invention, the applications above identified, including any provisionals, nonprovisionals, continuations, divisionals, continuations-in-part, and any applications claiming benefit to said applications, and in, to and under any Letters Patent which may be granted thereof, including all reissues, reexaminations, and extensions thereof.

NOW, THEREFORE, in consideration of good and valuable and legally sufficient considerations, the receipt of which by said Assignor from the said Assignee is hereby acknowledged, the said Assignor has sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said Assignee, the entire, right, title and interest for the United States in and to the invention and application hereinabove identified, including any provisionals, nonprovisionals, continuations, divisionals, continuations-in-part, and any applications claiming benefit to said applications, and any Letters Patent of the United States that may issue for said invention, together with the entire right, title and interest in and to said invention and applications for Patent and Patent therefore, in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; to have and to hold for the sole and exclusive use and benefit of the said Assignee, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said inventions may issue.

And the said Assignor does hereby covenant and agree, for himself and his legal representatives, that he will assist the said Assignee in the prosecution of the application herein identified; in the making and prosecution of any other applications for Letters Patent that the said Assignee may elect to make covering the invention herein identified, as hereinabove set forth; in vesting in the said Assignee like exclusive title in and to all such other applications and Patent; and in the prosecution of any interference which may arise involving said invention, or any application or Patent herein contemplated; and that they will execute and deliver to the said Assignee any and all additional papers which may be requested by the said Assignee to fully carry out the terms of this Assignment.

And the Commissioner of Patents and Trademarks is hereby authorized and requested to issue Letters Patent to the said Assignee in accordance with the terms of this Assignment.

IN IESTIMONY WHEREOF, the said Assigno	or has hereunto set his hands and affixed his seal.
Date: 04/27/11	Deoye & B Willi
WITNESSED:	George Stuart Blair Williams
Date:	
Date:	

PATENT REEL: 033962 FRAME: 0248

RECORDED: 10/16/2014