PATENT ASSIGNMENT

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SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE

CONVEYING PARTY DATA

Name	Execution Date
Columbia Univesity New York Morningside	08/27/2010

RECEIVING PARTY DATA

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Street Address:	504 Scott Street
Internal Address:	USAMRMC MCMR-JA W81XWH-04-1-0540
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State/Country:	MARYLAND
Postal Code:	21702-5012

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12733329

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NAME OF SUBMITTER: Mary Ann Beach

Total Attachments: 1

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PATENT REEL: 026679 FRAME: 0916

License to the United States Government

Inventor(s): Jan Kitajewski, Carrie Shawber U.S. Filing/Issue Date: 2/22/2010 Patent or Application Serial No.: 12/733,329 Grant/Contract Number(s): W81XWH-04-1-0540, HL062454 Foreign Applications filed/intended in (countries): Canada, Japan, Vietnam, Philippines, Kazakhstan, Sri Janka, India, Australia, China, South Africa, Singapore, Israel the invention identified above is a Subject Invention under 35 U.S.C. 200, et seq., and the Standard Patent Rights claus 137 CFR 491.14, FAR 52.227-11 or FAR 52.227-12 (if applicable) which are included among the terms of the above ientified grant or contract award from the United State Government. This document is confirmatory of: The nonexclusive, nontransferable, irrevocable, paid-up license to practice or have practiced for or on behalf of the United States the invention described in any patent application and in any and all divisions, continuations, and continuations in part, and in any and all patents and re-issues granted thereon throughout the world; and All other rights acquired by the Government by reason of the above identified grant/contract award and the laws and regulations that are applicable to the award. Gerovernment is hereby granted an irrevocable power to inspect and make copies of the above-identified patent plication. (Name of Grantee/Contractor Official) (Name of Grantee/Contractor Official) (Signature) Scot G Hamilton Senior Director Columbia Technology Ventures (Grantee/Contractor Organization)	and statistical described document to the appropriate funding agency (e.g. upload in iEdison).	
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Foreign Applications filed/intended in (countries): Canada, Japan, Vietnam, Philippines, Kazakhstan, Srianka, India, Australia, China, South Africa, Singapore, Israel the invention identified above is a Subject Invention under 35 U.S.C. 200, et seq., and the Standard Patent Rights claus is 37 CFR 401.14, FAR 52.227-11 or FAR 52.227-12 (if applicable) which are included among the terms of the above identified grant or contract award from the United State Government. This document is confirmatory of: The nonexclusive, nontransferable, irrevocable, paid-up license to practice or have practiced for or on behalf of the United States the invention described in any patent application and in any and all divisions, continuations, and continuations in part, and in any and all patents and re-issues granted thereon throughout the world; and All other rights acquired by the Government by reason of the above identified grant/contract award and the laws and regulations that are applicable to the award. The continuations is part, and in any and all patents and re-issues granted thereon throughout the world; and All other rights acquired by the Government by reason of the above identified grant/contract award and the laws and regulations that are applicable to the award. The continuations is part, and in any and all patents and re-issues granted thereon throughout the world; and All other rights acquired by the Government by reason of the above identified grant/contract award and the laws and regulations that are applicable to the award. The contractor Official (Signature) Scot G Hamilton Senior Director Columbia Technology Ventures COLUMBIA UNIV NEW YORK MORNINGSIDE (Grantee/Contractor Organization)	Patent or Application Serial No.: 12/733,329	
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