504604243 10/20/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PETER BECKER	12/23/2010

RECEIVING PARTY DATA

Name:	ENVIRONMENTAL SYSTEMS RESEARCH INSTITUTE, INC.	
Street Address:	380 NEW YORK STREET	
City:	REDLANDS	
State/Country:	CALIFORNIA	
Postal Code:	92373	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14500624

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ATTORNEY DOCKET NUMBER:	091908-001210US-0920592	
NAME OF SUBMITTER:	WILSA MARTIN-GAYLE	
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DATE SIGNED:	10/20/2017	

Total Attachments: 1

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PATENT 504604243 REEL: 043914 FRAME: 0853

Attorney Docket No.: 027501-001200US

ASSIGNMENT OF PATENT APPLICATION

SOLE

WHEREAS, Peter Becker of 12920 Puesta Del Sol, Redlands, CA 92373, hereinafter referred to as "Assignor," is the inventor of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:

SIGNATURE BASED MAP CACHING

Date(s) of execution of Declaration:

December 23, 2010

December 29, 2010

Application No.: 12/981,333

WHEREAS, Environmental Systems Research Institute, Inc., located at 380 New York Street, Redlands, CA 92373, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has assigned, and by these presents does assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignor had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees that Assignor will, without charge to Assignor, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignor hereby authorizes and requests Townsend and Townsend and Crew LLP, Two Embarcadero Center, Eighth Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignor has signed his/her name on the date indicated.

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PATENT REEL: 043914 FRAME: 0854

RECORDED: 10/20/2017