

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Alex Zakonov</td> <td>07/23/2009</td> </tr> <tr> <td>Victor Mushkatin</td> <td>10/13/2009</td> </tr> </tbody> </table>		Name	Execution Date	Alex Zakonov	07/23/2009	Victor Mushkatin	10/13/2009
Name	Execution Date						
Alex Zakonov	07/23/2009						
Victor Mushkatin	10/13/2009						
RECEIVING PARTY DATA							
Name:	Microsoft Corporation						
Street Address:	One Microsoft Way						
City:	Redmond						
State/Country:	WASHINGTON						
Postal Code:	98052						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13933957</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13933957		
Property Type	Number						
Application Number:	13933957						
CORRESPONDENCE DATA							
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ATTORNEY DOCKET NUMBER:	13768.2006.1.1.1						
NAME OF SUBMITTER:	Thomas M. Bonacci						
Signature:	/THOMAS M. BONACCI/						
Date:	07/02/2013						

OP \$40.00 13933957

Total Attachments: 4

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ASSIGNMENT

WHEREAS, we, Alex Zakonov, a citizen of Russian and having a mailing address of 176 Homestead Street, Apt. I, Manchester, CT 06042, and Victor Mushkatin, a citizen of the United States and having a mailing address of 20 Pinecrest Street, West Hartford, CT 06117, (hereinafter collectively referred to as ASSIGNOR), are the sole inventors of the Inventions set forth in the following:

United States Provisional Patent Application entitled AUTOMATIC INCREMENTAL APPLICATION DEPENDENCY DISCOVERY THROUGH MSIL CODE INSTRUMENTATION, filed with the United States Patent and Trademark Office on July 15, 2008, and assigned serial number 61/134,900;

United States Non-Provisional Patent Application entitled AUTOMATIC INCREMENTAL APPLICATION DEPENDENCY DISCOVERY THROUGH CODE INSTRUMENTATION, filed with the United States Patent and Trademark Office on July 15, 2009, and assigned serial number 12/503,321;

Patent Cooperation Treaty Application entitled AUTOMATIC INCREMENTAL APPLICATION DEPENDENCY DISCOVERY THROUGH CODE INSTRUMENTATION, filed with the United States Patent and Trademark Office on _____, _____, and assigned serial number _____;

United States Provisional Patent Application entitled EXPOSING APPLICATION PERFORMANCE COUNTERS FOR NET APPLICATIONS THROUGH CODE INSTRUMENTATION, filed with the United States Patent and Trademark Office on July 15, 2008, and assigned serial number 61/134,919;

United States Non-Provisional Patent Application entitled EXPOSING APPLICATION PERFORMANCE COUNTERS FOR NET APPLICATIONS THROUGH CODE INSTRUMENTATION, filed with the United States Patent and Trademark Office on July 15, 2009, and assigned serial number 12/503,313;

Patent Cooperation Treaty Application entitled EXPOSING APPLICATION PERFORMANCE COUNTERS FOR NET APPLICATIONS THROUGH CODE INSTRUMENTATION, filed with the United States Patent and Trademark Office on _____, _____, and assigned serial number _____;

(the "Applications").

WHEREAS, AVIcode, Inc., a Delaware corporation having a place of business at the Technology Center at UMBC, 1450 South Rolling Road, Baltimore, MD 21227 (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire right, title and interest in and to the Inventions, the Applications, and to any letters patent in regard to the Inventions listed above that may be granted therefor in all countries throughout the world;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) or equivalent and other good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, the ASSIGNOR hereby sells, transfers, assigns, and sets over to the ASSIGNEE, and to its successors, assigns, and legal representatives, the entire right, title and interest in and to the Inventions and the Applications, for the entire world, including (without limitation) the United States and all foreign countries, and to all Letters Patent, non-provisional applications, divisions, continuations, continuations-in-part, substitutions,

PATENT
REEL: 023387 FRAME: 0871

PATENT
REEL: 030730 FRAME: 0923

Assignment

"Exposing Application Performance Counters. . ."
"Automatic Incremental Application Dependence Discovery. . ."

reissues, reexaminations, and extensions to be obtained therefor, and in and to all rights of priority resulting from the filing of the Applications, together with the right to sue and recover for, and the right to profits or damages due or accrued arising out of or in connection with, any and all past, present or future infringement of the Inventions. The ASSIGNOR agrees to cooperate with the ASSIGNEE in obtaining and sustaining any or all Letters Patent, but at the expense of the ASSIGNEE. The Commissioner of Patents is hereby authorized and requested to issue any and all Letters Patent solely, in accordance with this Assignment, to the ASSIGNEE, its successors, legal representatives and assigns as the ASSIGNEE of the entire rights, title and interest therein.

The ASSIGNOR further agrees to communicate to the ASSIGNEE or its representatives any facts known to the ASSIGNOR respecting the Inventions, and at the expense of the ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, execute all division, continuation, continuation-in-part, substitution, reissue, reexamination, and extension applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to the ASSIGNEE, make all rightful oaths and generally to do everything necessary or desirable to aid the ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for the Inventions in the United States and in any and all foreign countries. The ASSIGNOR and ASSIGNEE hereby authorize and request Gregory M. Stone, Esq. of Whiteford, Taylor & Preston L.L.P., to insert above the application numbers and filing dates of said Applications when known.

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IN WITNESS WHEREOF, the ASSIGNORS have executed this Assignment as an instrument under seal on the date written below.

Date

Alex Zakonov

10/13/09
Date



Victor Mushkatin

On this _____ day of _____, 2009, before me, a Notary Public, appeared Alex Zakonov, personally known to me (or proved to me on the basis of satisfactory evidence) to be the individual whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity and that by his signature on the instrument the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

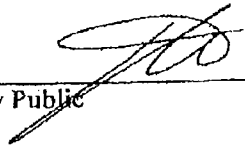
Notary Public

STATE OF _____

CITY/COUNTY OF _____

On this 13 day of October, 2009, before me, a Notary Public, appeared Victor Mushkatin, personally known to me (or proved to me on the basis of satisfactory evidence) to be the individual whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity and that by his signature on the instrument the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



Notary Public

STATE OF CT

CITY/COUNTY OF Hartford

Peter Addario
Notary Public, Connecticut
My Commission Expires July 31, 2013

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RECORDED: 10/15/2009

PATENT
REEL: 023387 FRAME: 0874

PATENT

RECORDED: 07/02/2013

REEL: 030730 FRAME: 0926