

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>Rao H. Desineni</td><td>04/24/2010</td></tr><tr><td>Ronald DeShawn Blanton</td><td>04/24/2010</td></tr><tr><td>Wojciech Maly</td><td>04/25/2010</td></tr></tbody></table>		Name	Execution Date	Rao H. Desineni	04/24/2010	Ronald DeShawn Blanton	04/24/2010	Wojciech Maly	04/25/2010		
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RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>Carnegie Mellon University</td></tr><tr><td>Street Address:</td><td>5000 Forbes Avenue</td></tr><tr><td>City:</td><td>Pittsburgh</td></tr><tr><td>State/Country:</td><td>PENNSYLVANIA</td></tr><tr><td>Postal Code:</td><td>15213</td></tr></table>		Name:	Carnegie Mellon University	Street Address:	5000 Forbes Avenue	City:	Pittsburgh	State/Country:	PENNSYLVANIA	Postal Code:	15213
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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>11651782</td></tr></tbody></table>		Property Type	Number	Application Number:	11651782						
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CORRESPONDENCE DATA											
Fax Number: (212)755-7306 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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ATTORNEY DOCKET NUMBER:	12102-20-999										
NAME OF SUBMITTER:	Matthew W. Johnson										
Total Attachments: 6 source=12102-20-999_Assignment1#page1.tif source=12102-20-999_Assignment1#page2.tif											

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ATTORNEY'S DOCKET NO.

PAT001203-001/US (012102-0020-999)

For: ☒ U.S. and/or ☒ Foreign Rights  
For: ☒ U.S. Application or  
☐ U.S. Provisional Application  
☐ U.S. Patent  
For: ☒ PCT Application  
By: ☒ Inventor(s) or ☐ Present Owner

**ASSIGNMENT OF INVENTION**

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration.

**ASSIGNOR:**

Inventor(s) or person(s) or  
entity(ies) who own the invention

**Ronald DeShawn BLANTON***(type or print name(s) of ASSIGNOR(S))***1511 Brimfield Drive****Sewickley, PA 15143**

Address

**United States of America**

Citizenship

Inventor(s) or person(s) or  
entity(ies) who own the invention

**Rao H. DESINENI***(type or print name(s) of ASSIGNOR(S))***21 Hart Drive****Poughkeepsie, NY 12603**

Address

**Indian**

Citizenship

Inventor(s) or person(s) or  
entity(ies) who own the invention

**Wojciech MALY***(type or print name(s) of ASSIGNOR(S))***5450 Fair Oaks Street****Pittsburgh, PA 15217**

Address

**United States of America**

Citizenship

(if assignment is by person or entity to whom invention was previously assigned  
and this was recorded in PTO, add the following)

Recorded on \_\_\_\_\_ Reel \_\_\_\_\_  
Frame \_\_\_\_\_

hereby sells, assigns and transfers to

ASSIGNEE:

Carnegie Mellon University

(type or print name(s) of ASSIGNOR(S))

5000 Forbes Avenue

Pittsburgh, PA 15213

Address

United States of America

Nationality

and the successors, assigns and legal representatives of the ASSIGNEE

☒ the entire right, title and interest  
☐ an undivided \_\_\_\_\_ percent (\_\_\_\_%) interest for the United States and its  
territorial possession

(check the following box, if foreign rights are also to be assigned)

☒ and in all foreign countries, including all rights to claim priority, in and to any  
and all improvements which are disclosed in the invention entitled:

Using Neighborhood Functions to Extract Logical Models of Physical Failures Using Layout Based  
Diagnosis

Name of inventor(s) Ronald DeShawn BLANTON, Rao H. DESINENI, and Wojciech MALY

(check and complete (a), (b), (c), (d), (e), (f) or (g))

and which is found in

- (a) ☐ U.S. patent application executed on even date herewith  
(b) ☐ U.S. patent application executed on \_\_\_\_\_  
(c) ☐ U.S. provisional application naming the above inventor(s) for the above  
entitled invention.  
☐ Express mail label no. \_\_\_\_\_  
Mailed: \_\_\_\_\_  
☐ To comply with 37 CFR 3.21 for recordal of this assignment, I, and  
ASSIGNOR signing below, hereby authorize and request my attorney to  
insert below the filing date and application number when they become  
known.  
(d) ☒ U.S. application no. 11/651,782  
filed on 10 January 2007  
(e) ☐ International application no. PCT/ / \_\_\_\_\_

- (f) ☐ U.S. patent no. \_\_\_\_\_ issued \_\_\_\_\_  
☐ A change of address to which correspondence is to be sent  
regarding patent maintenance fees is being sent separately.
- (g) ☒ (also check (g), if foreign application(s) is also being assigned)  
and any legal equivalent thereof in a foreign country, including the right to  
claim priority

and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents s may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letter Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I/We have hereunto set hand and seal this \_\_\_\_ day of \_\_\_\_\_

Date of Signing

**WARNING:** The date of signing must be the same as the date of execution of the application, if item (a) was checked above.

Date: \_\_\_\_\_

Signature of Ronald DeShawn BLANTON

Date: 04/24/2010

Signature of Rao H. DESINENI

Date: \_\_\_\_\_

Signature of Woiciech MALY

(if ASSIGNOR is a legal entity, complete the following information)

\_\_\_\_\_  
(type or print the name of the above person  
authorized to sign on behalf of ASSIGNOR)

\_\_\_\_\_  
Title

Note: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized, then it will only be prima facie evidence of execution. 35 USC 261. Use next page if notarization is desired.

☐ Notarization or Legalization Page Added.

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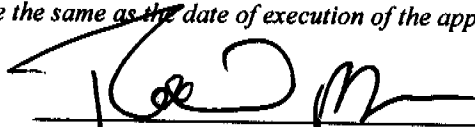
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Date: 4/24/10

  
Signature of Ronald DeShawn BLANTON

Date: \_\_\_\_\_

\_\_\_\_\_  
Signature of Rao H. DESINENI

Date: 4/25/2010

  
Signature of Wojciech MALY

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