

Form PTO-1595 (Rev. 01-09)
OMB No. 0651-0027 (exp. 02/28/2009)

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Marwan Elia Abi-Antoun
Jonathan Erik Aldrich

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 9/24/08 and 10/2/08

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Name: Carnegie Mellon University

Internal Address: _____

Street Address: 5000 Forbes Avenue

City: Pittsburgh

State: PA

Country: USA Zip: 15213

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

60/937,704
12/215,476

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Darren E. Wolf, Esquire

Internal Address: _____

Thorp Reed & Armstrong, LLP

Street Address: _____

One Oxford Centre, 301 Grant Street, 14th Floor

City: Pittsburgh

State: PA Zip: 15219-1425

Phone Number: 412-394-2305

Fax Number: 412-394-2555

Email Address: dwolf@thorpreed.com

6. Total number of applications and patents involved: 2

7. Total fee (37 CFR 1.21(h) & 3.41) \$80

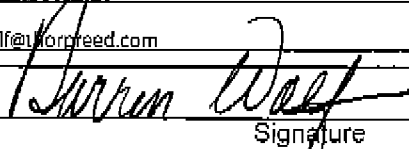
- ☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

Deposit Account Number 20-0888

Authorized User Name Darren E. Wolf

9. Signature:


Signature

February 17, 2009

Date

Darren E. Wolf

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

4

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

CH \$80.00 200888 60937704

PATENTAttorney's Docket No. DB001304-001For: ☒ U.S. and/or ☒ Foreign RightsFor: ☒ U.S. Application or☒ U.S. Provisional ApplicationFor: ☐ U.S. PatentFor: ☐ PCT ApplicationBy: ☒ Multiple Inventors**ASSIGNMENT OF INVENTION (MULTIPLE INVENTORS)**

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,

ASSIGNORS (Inventors):

Marwan Elia Abi-Antoun
(type or print name of inventors)

Carnegie Mellon University
 Institute for Software Research
 5000 Forbes Avenue
Pittsburgh, PA Lebanon
 Address Nationality

Jonathan Erik Aldrich

Carnegie Mellon University
 Institute for Software Research
 5000 Forbes Avenue
Pittsburgh, PA U.S.

hereby sells, assigns and transfers to

ASSIGNEE:

Carnegie Mellon University
(type or print name(s) of ASSIGNEE(S))

5000 Forbes Avenue
Pittsburgh, PA 15213
 Address

Pennsylvania Non-Profit Corporation
 Nationality

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

☒ 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:

APPARATUSES AND METHODS FOR PRODUCING RUNTIME ARCHITECTURES OF
COMPUTER PROGRAM MODULES

(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 no. 60/937,704 filed on June 29, 2007
- (d) ☒ U.S. application no. 12/215,476 filed on June 27, 2008
- (e) ☐ International application no. PCT/ _____ ☒ _____ / _____
filed on _____
- (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.

(also check (g), if foreign application(s) is also being assigned)

- (g) ☒ 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 as 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, We have hereunto set hand and seal this

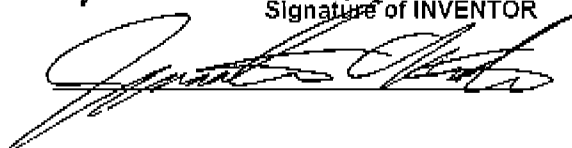
WARNING: *The date of signing must be the same as the date of execution of the application, if item (a) was checked above.*

Marwan Elia Abi-Antoun
(type name of inventor)


Signature of INVENTOR

09/24/2008
Date

Jonathan Erik Aldrich



10/2/2008

☐ Notarization or Legalization Page Added.

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.