

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT3021602

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| STEVEN LUCCO | 04/25/2011 |
| CURTIS CHENG-CHENG MAN | 04/25/2011 |
| RECEIVING PARTY DATA | |
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| Street Address: | ONE MICROSOFT WAY |
| City: | REDMOND |
| State/Country: | WASHINGTON |
| Postal Code: | 98052 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 14485800 |
| CORRESPONDENCE DATA | |
| Fax Number: | |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i> | |
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| ATTORNEY DOCKET NUMBER: | 330536.02 |
| NAME OF SUBMITTER: | CLARE HARTNETT |
| SIGNATURE: | /CLARE HARTNETT/ |
| DATE SIGNED: | 09/15/2014 |
| Total Attachments: 2 | |
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| source=330536-02-Assignment#page2.tif | |


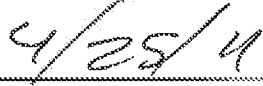
I/WE, Steven Lucco, and Curtis Cheng-Cheng Man ("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "CONSERVATIVE GARBAGE COLLECTING AND TAGGED INTEGERS FOR MEMORY MANAGEMENT" ("APPLICATION"), which:

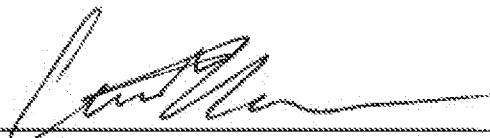
- ☒ will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR hereby authorizes, and requests, ASSIGNEE'S legal representatives, of the Law and Corporate Affairs Department, Microsoft Corporation, One Microsoft Way, Redmond, Washington 98052, who are associated with customer number 69316, to insert here in parenthesis (Application No. _____, filed _____) this APPLICATION's Application No. and filing date, when known;
- ☐ was filed on _____ and was given Application No. _____;
- ☐ is filed concurrently herewith;

Microsoft Corporation, a Washington Corporation, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES"));

For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);

ASSIGNOR agrees to execute all instruments and documents required for the making and prosecution of the APPLICATION (and APPLICATION DERIVATIVES), for litigation regarding letters patent derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).

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| Inventor's Signature | Date |
| Steven Lucco | |
| Printed Name in English | Printed Name in Native Language (if other than English) |

| | |
|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
|  _____ Inventor's Signature | <u>4/25/2011</u> _____ Date |
| <u>Curtis Cheng-Cheng Man</u> _____ Printed Name in English | _____ Printed Name in Native Language (if other than English) |