PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BRIAN IGNOMIRELLO	02/05/2015

RECEIVING PARTY DATA

Name:	SYMBOLIC IO CORPORATION
Street Address:	379 THORNALL STREET
Internal Address:	10TH FLOOR
City:	EDISON
State/Country:	NEW JERSEY
Postal Code:	08837

PROPERTY NUMBERS Total: 3

Property Type	Number
Application Number:	13756921
Application Number:	13797093
Application Number:	13908239

CORRESPONDENCE DATA

Fax Number:

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.

Phone: 732-369-8314

Email:mlgdocketing@mlgiplaw.comCorrespondent Name:MALDJIAN LAW GROUP LLCAddress Line 1:788 SHREWSBURY AVENUE

Address Line 2: SUITE 2192

Address Line 4: TINTON FALLS, NEW JERSEY 07724

ATTORNEY DOCKET NUMBER:	SIO001 SIO002 SIO002X1
NAME OF SUBMITTER:	LISA BIANCO
SIGNATURE:	/lisabianco/
DATE SIGNED:	02/09/2015

Total Attachments: 2

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PATENT 503172246 REEL: 034923 FRAME: 0448

Docket Nos.: SIO001, SIO002 and SIO002X1

ASSIGNMENT OF PATENT APPLICATIONS

Name of Inventor:

Brian Ignomirello

(hereinafter "Assignor"), has invented certain inventions entitled;

BIT MARKERS AND FREQUENCY CONVERTERS; DATA STORAGE AND RETRIEVAL MEDIATION SYSTEM AND METHODS FOR USING SAME; and METHODS AND SYSTEMS FOR STORING AND RETRIEVING DATA

For which applications for a Patent in the United States were filed at the United States Patent and Trademark Office on:

February 1, 2013, under application serial no. 13/756,921; March 12, 2013, under application serial no. 13/797,093; and June 3, 2013 under application serial no. 13/908,239.

and

WHEREAS, Symbolic IO Corporation, having a place of business at 379 Thornall Street, 10th Floor, Edison, NJ 08837 (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to the aforementioned patent applications (hereinafter "Applications"), and the inventions disclosed therein (hereinafter "Inventions"), and in and to all embodiments of the Inventions, heretofore conceived, made or discovered by the Assignor, and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter "Patents") thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by the Assignor to have been received in full from said Assignee:

1. The Assignor hereby sells, assigns, transfers and conveys to Assignee the full and exclusive right, title and interest (a) in and to the Applications and the Inventions; (b) in and to all rights to apply for patents covering the Inventions in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted, covering the Inventions, in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application, which is a division, substitution, or continuation of the Applications; and (d) in and to each and every reissue or extension of any of the Patents.

- 2. The Assignor hereby covenants and agrees to cooperate with the Assignee to enable the Assignee to enjoy to the fullest extent the right, title and interest to the Inventions herein conveyed in any and all countries and groups of countries. Such cooperation by the Assignor shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by the Assignee (a) for perfecting in the Assignee the right, title and interest herein conveyed; (b) for prosecuting the Applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering embodiments of the Inventions; (d) for filing and prosecuting applications for reissuance of any of the Patents; (e) for interference or other priority proceedings involving the Inventions; and (f) for legal proceedings involving the Inventions and any application therefor and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, the expense incurred by the Assignor in providing such cooperation shall be paid for by the Assignee.
- 3. The term and covenants of this agreement shall inure to the benefit of the Assignee, its successors, assigns and other legal representatives, and shall be binding upon the Assignor, their respective heirs, legal representatives and assigns.
- 4. The Assignor hereby warrants and represents he has not entered and will not enter into any assignment, contract, or understanding in conflict herewith.
- 5. The Assignors further hereby authorize ASSIGNEE, or its attorneys or agents, to insert the correct Application Number and Filing Date into this Assignment, if none is indicated on the date of my execution of this agreement

IN WITNESS WHEREOF, the Assignor has executed and delivered his instrument to the Assignee on the date indicated below.

DATED: <u>2/5//5</u>

Brian\gnomirello