

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent of:

U.S. Patent No.:

Attorney Docket No.:

Issue Date:

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Title:

Mail Stop Patent Board

Patent Trial and Appeal Board

U.S. Patent and Trademark Office

P.O. Box 1450

Alexandria, VA 22313-1450

Declaration of Jacob Robert Munford

1. My name is Jacob Robert Munford. I am over the age of 18, have personal knowledge of the facts set forth herein, and am competent to testify to the same.
2. I earned a Master of Library and Information Science (MLIS) from the University of Wisconsin-Milwaukee in 2009. I have over ten years of experience in the library/information science field. Beginning in 2004, I have served in various positions in the public library sector including Assistant Librarian, Youth Services Librarian and Library Director. I have attached my Curriculum Vitae as Appendix A.
3. During my career in the library profession, I have been responsible for materials acquisition for multiple libraries. In that position, I have cataloged, purchased and processed incoming library works. That includes purchasing materials directly from vendors, recording publishing data from the material in question, creating detailed material records for library catalogs and physically preparing that material for circulation. In addition to my experience in acquisitions, I was also responsible for analyzing large collections of library materials, tailoring library records for optimal catalog search performance and creating lending agreements between libraries during my time as a Library Director.
4. I am fully familiar with the catalog record creation process in the library sector. In preparing a material for public availability, a library catalog record describing that material would be created. These records are typically written in Machine Readable Catalog (herein referred to as MARC) code and contain information such as a physical description of the material, metadata from the material's publisher and date of library acquisition. In particular, the 008 field of the MARC record is reserved for denoting the creation of the library record itself. As this typically occurs during the process of preparing materials for public access, it is my experience that an item's MARC record accurately indicates the date of an item's public availability.

5. I have reviewed a journal article by Howard Huang, Harish Viswanathan and G.J. Foschini entitled *Achieving High Data Rates in CDMA Systems Using BLAST Techniques*, which was published in 1999 IEEE Globecom Vol. 5, 2316-2320.
6. Attached hereto as Exhibit 1006 is a true and correct copy of the spine, cover, publishing data, table of contents and this article in full from Globecom 1999: Conference Record, Global Telecommunications Conference. Exhibit 1006 is a bound copy of this publication I obtained from Michigan State University's library. This exhibit was secured and scanned by myself from the original publication and as such, I conclude that Exhibit 1006 is an authentic copy of "Achieving High Data Rates in CDMA Systems Using BLAST Techniques". Volume 5 of this publication includes the article "Achieving High Data Rates in CDMA Systems Using BLAST Techniques", at pp. 2316-2320.
7. The handwritten date marker visible on page 3 of Exhibit 1006 indicates that this volume of Globecom 1999: Conference Record was acquired and physically processed by this library's acquisitions department. The 008 field of Software - Practice and Experience's MARC record included on page 43 in Exhibit 1006 indicates this publication has been held by the Michigan State University library since August 29, 2000. Based on this information, it is my determination that this material would have been accessible and publicly available as of at least August 29, 2000.
8. I have been retained on behalf of the Petitioner to provide assistance in the above-illustrated matter in establishing the authenticity and public availability of the documents discussed in this declaration. I am being compensated for my services in this matter at the rate of \$100.00 per hour plus reasonable expenses. My statements are objective, and my compensation does not depend on the outcome of this matter.

9. I declare under penalty of perjury that the foregoing is true and correct. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code.

Dated: 3/14/18

A handwritten signature in black ink, appearing to read 'Jacob Robert Munford', written in a cursive style.

Jacob Robert Munford

Appendix A - Curriculum Vitae

Education

University of Wisconsin-Milwaukee - MS, Library & Information Science, 2009
Milwaukee, WI

- Coursework included cataloging, metadata, data analysis, library systems, management strategies and collection development.
- Specialized in library advocacy and management.

Grand Valley State University - BA, English Language & Literature, 2008
Allendale, MI

- Coursework included linguistics, documentation and literary analysis.
- Minor in political science with a focus in local-level economics and government.

Professional Experience

Library Director, February 2013 - March 2015

Dowagiac District Library

Dowagiac, Michigan

- Executive administrator of the Dowagiac District Library. Located in Southwest Michigan, this library has a service area of 13,000, an annual operating budget of over \$400,000 and total assets of approximately \$1,300,000.
- Developed careful budgeting guidelines to produce a 15% surplus during the 2013-2014 & 2014-2015 fiscal years.
- Using this budget surplus, oversaw significant library investments including the purchase of property for a future building site, demolition of existing buildings and building renovation projects on the current facility.
- Led the organization and digitization of the library's archival records.
- Served as the public representative for the library, developing business relationships with local school, museum and tribal government entities.

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