UNITED STATES PATENT AND TRAD	DEMARK OFFICE
BEFORE THE PATENT TRIAL AND A	APPEAL BOARD
MERRILL COMMUNICATIONS LLC d/b/a ME	RRILL CORPORATION,
	Petitioner,
$\mathbf{v}.$	
E-NUMERATE SOLUTIONS	, INC.,
	Patent Owner.
Patent No. 8,185,816	
Issue Date: May 22, 2012	2
Title: COMBINING REUSABLE DATA MARKUP LA	NGUAGE DOCUMENTS
PETITION FOR INTER PARTES REVIEW OF UUNDER 35 U.S.C. §§ 311-319 AND 37 C.F.R.	



### TABLE OF CONTENTS

I.	COMPLIANCE WITH REQUIREMENTS FOR A PETITION FOR						
	INTER PARTES REVIEW						
	A.	Grounds for Standing (37 CFR § 42.104 (a))					
	B.	Fee for Inter Partes Review (37 CFR § 42.15(a))					
	C.						
		i. Real Party in Interest (37 CFR § 42.8(b)(1))					
		ii. Related Matters (37 CFR § 42.8(b)(2))					
		iii. Designation of Counsel and Service Information (37 CFR					
		§§ 42.8(b)(3)-(4))	3				
	D.	Proof of Service (37 CFR §§ 42.6(e) and 42.105(a))					
II.	Intro	Introduction and Identification of the Claims Being Challenged (37					
		§ 42.104(b)(1))	3				
III.	Background of the '816 Patent						
	A.	Effective Filing and Priority Dates of the '816 Patent					
	B.	Relevant Prosecution History of the '816 Patent					
	C.	Person of Ordinary Skill in the Art (POSITA)					
IV.	Claim Construction (37 CFR § 42.104(b)(3))						
	A.	"Markup Document"					
	B.	"Tags"					
	C.	"Means for Receiving"	13				
	D.	"Means for Automatically Transforming"					
	E.	"Means for Combining"	15				
	F.	"Means for Displaying"	16				
V.	Iden	Identification of Specific Statutory Grounds for Challenge (37 CFR					
		.104(b)(2))	17				
VI.	Deta	Detailed Explanation and Evidence Supporting Grounds for Challenge					
		(37 CFR §§ 42.104(b)(4)-(5))					
	A.						
	Based on Mastering Access 97						
		i. Disclosure of Mastering Access 97					
		ii. Comparison of Claims 1, 10, 17, 26, and 27 to <i>Mastering</i>					
		Access 07	10				



### Petition for Inter Partes Review of U.S. Patent No. 8,185,816

	B. Ground 2: Obviousness of Claims 1, 10, 17, 26, and 27 on <i>Mastering Access 97</i> in Combination with <i>The XMI</i>			
			dbook	32
		i.	Disclosure of Mastering Access 97	
		ii.	Disclosure of <i>The XML Handbook</i>	
		iii.	Rationale for Combining the Teachings of <i>Mastering</i>	2
			Access 97 and The XML Handbook	34
		iv.	Comparison of Claims 1, 10, 17, 26, and 27 to <i>Mastering</i>	
			Access 97 and The XML Handbook	36
	C.	Grou	and 3: Obviousness of Claims of 1, 10, 17, and 26 Based on	
			ıs	51
		i.	Disclosure of Lyons	
		ii.	Comparison of Claims 1, 10, 17, and 26 to Lyons	52
	D.	Grou	and 4: Obviousness of Claims 1, 10, 17, 26, and 27 Based	
		on L	yons in Combination with <i>The XML Handbook</i>	61
		i.	Disclosure of Lyons	61
		ii.	Disclosure of <i>The XML Handbook</i>	
		iii.	Rationale for Combining the Teachings of Lyons and <i>The</i>	
			XML Handbook	61
		iv.	Comparison of Claims 1, 10, 17, 26, and 27 to Lyons and	
			The XML Handbook	62
VII.	CON	CLUS	ION	68
V 11.	COIV	CLOS		00

### Attachment A. Proof of Service of the Petition

Attachment B. List of Evidence and Exhibits Relied Upon in Petition

**Attachment C. Word Count Compliance Certificate** 



Petition for *Inter Partes* Review of U.S. Patent No. 8,185,816

Petitioner Merrill Communications LLC d/b/a Merrill Corporation (hereinafter "Merrill" or "Petitioner") respectfully petitions for *inter partes* review of claims 1, 10, 17, 26, and 27 of U.S. Patent No. 8,185,816 ("the '816 patent") (Ex. 1001) in accordance with 35 U.S.C. §§ 311-319 and 37 C.F.R. § 42.100 *et seq*.

# I. COMPLIANCE WITH REQUIREMENTS FOR A PETITION FOR INTER PARTES REVIEW

### A. Grounds for Standing (37 CFR § 42.104 (a))

Petitioner certifies it is not barred or estopped from requesting *inter partes* review of the '816 patent. Neither Petitioner, nor any party in privity with Petitioner, has filed a civil action challenging the validity of any claim of the '816 patent. The '816 patent has not been the subject of a prior *inter partes* review by Petitioner or a privy of Petitioner.

Petitioner also certifies this petition for *inter partes* review is filed within one year of the date of service of a complaint alleging infringement of a patent.

Petitioner's customer, Mattress Firm Holding Corp. ("Mattress Firm"), was served with a complaint alleging infringement of the '816 patent on or about July 13, 2017, captioned No. 1:17-cv-00933 in the U.S. District Court for the District of Delaware. (*See* Ex. 1012, Affidavit of Service.) A copy of e-Numerate Solutions, Inc.'s ("e-Numerate") Complaint is attached as Exhibit 1011. In the same suit, Petitioner and its parent, Merrill Corporation, were joined as defendants and



Petition for *Inter Partes* Review of U.S. Patent No. 8,185,816 served with an amended complaint alleging infringement of the '816 patent on or about September 19, 2017. (*See* Ex. 1014, Affidavit of Service.) A copy of e-Numerate's Amended Complaint is attached as Exhibit 1013.

Because the date of this petition is less than one year from July 13, 2017, this petition complies with 35 U.S.C. § 315(b).

### B. Fee for *Inter Partes* Review (37 CFR § 42.15(a))

The Director is authorized to charge the fee specified by 37 CFR § 42.15(a) to Deposit Account No. 06-1910.

### C. Mandatory Notices (37 CFR § 42.8(b))

i. Real Party in Interest (37 CFR § 42.8(b)(1))

The real parties in interest for this petition are Petitioner Merrill
Communications LLC, Petitioner's parent Merrill Corporation, and Mattress Firm.

Petitioner and its parent are located at One Merrill Circle, St. Paul, MN 55108,
and Mattress Firm is located at 5815 Gulf Freeway, Houston, TX 77023.

### ii. Related Matters (37 CFR § 42.8(b)(2))

The '816 patent is the subject of a civil action in the U.S. District Court for the District of Delaware, captioned *e-Numerate Solutions, Inc., and e-Numerate, LLC, v. Mattress Firm Holding Corp., Merrill Communications LLC, and Merrill Corp.*, No. 1:17-cv-00933 ("the district court lawsuit"). Petitioner is contemporaneously filing three additional *inter partes* review petitions for U.S.



# DOCKET

# Explore Litigation Insights



Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

## **Real-Time Litigation Alerts**



Keep your litigation team up-to-date with **real-time** alerts and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

### **Advanced Docket Research**



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

### **Analytics At Your Fingertips**



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

### API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

#### **LAW FIRMS**

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

#### **FINANCIAL INSTITUTIONS**

Litigation and bankruptcy checks for companies and debtors.

### **E-DISCOVERY AND LEGAL VENDORS**

Sync your system to PACER to automate legal marketing.

