

PATENT ASSIGNMENT

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Edgewater Computer Systems Inc.	03/30/2011
RECEIVING PARTY DATA	
Name:	Edgewater Wireless
Street Address:	1125 Innovation Drive
City:	Ottawa, Ontario
State/Country:	CANADA
Postal Code:	K2K 3G6
PROPERTY NUMBERS Total: 23	
Property Type	Number
Patent Number:	7016654
Patent Number:	6621439
Patent Number:	6650265
Patent Number:	6597299
Patent Number:	6661365
Patent Number:	6778121
Patent Number:	6809589
Patent Number:	6906652
Patent Number:	7079828
Patent Number:	7248189
Patent Number:	7295601
Patent Number:	7324034
Patent Number:	7339512
Patent Number:	7400587
Patent Number:	7403148

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REEL: 026049 FRAME: 0176

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Patent Number:	7415059
Patent Number:	7453792
Patent Number:	7733764
Patent Number:	7835701
Patent Number:	7894325
Application Number:	11677400
Application Number:	11472797
Application Number:	11522793

# CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	3226.0002-000
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NAME OF SUBMITTER:	Jillian M. Kane
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## Total Attachments: 5

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ASSIGNMENT OF UNITED STATES PATENTS AND PATENT APPLICATIONS

Whereas, Edgewater Computer Systems Inc., a Canada corporation, having a place of business at 1125 Innovation Drive, Ottawa, Ontario, K2K 3G6, Canada (hereinafter "Assignor") is the sole owner of the entire right, title and interest in and to the United States Letters Patents and Patent Applications described in Schedule A attached hereto and made a part hereof (hereinafter "Patents"); and

Whereas, Edgewater Wireless, a Canada corporation, having a place of business at 1125 Innovation Drive, Ottawa, Ontario, K2K 3G6, Canada (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to the Patents.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, the Assignor has sold, assigned and transferred, and by these presents does hereby sell, assign and transfer Assignor's entire right, title and interest in and to the Patents and all reissues and extensions thereof, including all claims, if any, which may have arisen for infringement of the patents prior to the date of this assignment, all said rights to be held and enjoyed by the Assignee for its own use and for the use of its successors, assigns or other legal representatives, to the full end of the term for which the Patents have been or will be granted, extended or reissued, as fully and entirely as the same would have been held and enjoyed by the Assignor if this assignment and sale had not been made.

Assignor further agrees that Assignor will, without demanding any further consideration therefore, at the request but at the expense of Assignee, do all lawful and just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining, sustaining, or reissuing the Patents, and for maintaining and perfecting Assignee's right to the Patents.

IN WITNESS WHEREOF, Assignor has caused these presents to be signed by its duly authorized officer below named effective as of the date written below.

Edgewater Computer Systems Inc.

By   
Duane L. Anderson

Title President

Date March 30th, 2011

Edgewater Computer Systems Inc.

City of Ottawa

Province of ONTARIO

On this 30<sup>th</sup> day of March 2011, before me, the undersigned witness,  
personally appeared Duane L. Anderson,

☒ personally known to me, or

☐ proved to me through satisfactory evidence of identification, which was

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to be the person whose name was signed on the foregoing instrument in my presence, and  
acknowledged to me that he/she signed the foregoing instrument as the free act and deed of  
Edgewater Computer Systems Inc., for its stated purpose, as an authorized officer of Edgewater  
Computer Systems Inc..

WITNESS

*Magdalena Grabari*

MAGDALENA GRABARI (print name)

*Canadian Registered Patent Agent #11078*

Edgewater Wireless

By Duane L. Anderson  
Duane L. Anderson

Title President

Date March 30th, 2011

City of Ottawa

Province of ONTARIO

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acknowledged to me that he/she signed the foregoing instrument as the free act and deed of  
Edgewater Wireless for its stated purpose, as an authorized officer of Edgewater Wireless.

WITNESS Magdalena Grabari

MAGDALENA GRABARI (print name)

Canadian Registered Patent Agent: #11078

SCHEDULE A

UNITED STATES PATENTS

PATENT NO.                      ISSUE DATE                      TITLE

7,016,654	21-Mar-2006	Programmable power-efficient front end for wired and wireless communication
6,621,439	16-Sep-2003	Method for Implementing Segmented Current Mode DACs with Matched Time Constants
6,650,265	18-Nov-2003	Method and Architecture for varying the Power consumption of a current mode DAC in proportion to performance parameters
6,597,299	22-Jul-03	Compensation Techniques for Electronic Circuits
6,661,365	9-Dec-2003	Circuit Architecture and Method for A/D Conversion
6,778,121	17-Aug-2004	High Linearity Digital to Analog Converter
6,809,589	26-Oct-2004	Low Voltage Large Swing/High Linearity analog Buffer with Servo Amplifier and Feedback Loop
6,906,652	14-Jun-2005	High Linearity Current Mode DAC Architecture
7,079,828	18-Jul-2006	Method and Apparatus for Side-lobe Cancellation in Wideband radio Systems
7,248,189	24-Jul-2007	Programmable Sample rate Conversion Engine for Wideband Systems
7,295,601	13-Nov-2007	Method and Apparatus for Performing Digital Timing Recovery Algorithm for Oversampled 802.11b Baseband Signals
7,324,034	29-Jan-2008	Method and Apparatus to Balance Reference settling in Switched cap pipelined DACs
7,339,512	4-Mar-2008	ADC without Track and Hold

7,400,587	15-Jul-2008	Optimum packet Fragmentation Method for Communications over Error Prone Channels
7,403,148	22-Jul-2008	Method and Apparatus to Balance Reference settling in Switched cap pipelined DACs
7,415,059	19-Aug-2008	Method and System for fast Timing Recovery for Preamble Based Transmission Systems
7,453,792	18-Nov-2008	Novel Receiver Architecture for Pilot Based OFDM Systems
7,733,764	8-Jun-2010	Method and System for Dynamically Increasing Output Rate and Reducing Length of a Delay Chain
7,835,701	16-Nov-2010	Detecting and Eliminating Spurious Energy in Comm Systems via Multichannel Processing
7,894,325	22-Feb-2011	Novel Receiver Architecture for Pilot Based OFDM Systems

UNITED STATES PATENT APPLICATIONS

<u>SERIAL NO.</u>	<u>FILING DATE</u>	<u>TITLE</u>
11/677,400	15-Feb-2007	Quadrature Frequency Doubler with Adjustable Phase Offset
11/472,797	22-Jun-2006	Automatic Gain Control for Multichannel Wideband Communication Systems
11/522,793	18-Sep-2006	Method and apparatus to Track Gain variations in OFDM Systems