PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Amir Eliaz	02/03/2013

RECEIVING PARTY DATA

Name:	MagnaCom Ltd.
Street Address:	128 Moshav Ben
City:	Shamen
State/Country:	ISRAEL
Postal Code:	73115

PROPERTY NUMBERS Total: 28

Property Type	Number
Application Number:	61662085
Application Number:	61747132
Application Number:	61729774
Application Number:	13754964
Application Number:	13754998
Application Number:	13755001
Application Number:	13755008
Application Number:	13755011
Application Number:	13755014
Application Number:	13755018
Application Number:	13755021
Application Number:	13755025
Application Number:	13755026
Application Number:	13755028
Application Number:	13755039

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Application Number:	13755972
Application Number:	13755043
Application Number:	13755050
Application Number:	13755052
Application Number:	13755054
Application Number:	13755060
Application Number:	13755061
Application Number:	61726099
Application Number:	13756079
Application Number:	13755065
Application Number:	13756010
Application Number:	13755068
Application Number:	13756469

CORRESPONDENCE DATA

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NAME OF SUBMITTER:	Chad M. Gilles

Total Attachments: 4
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ASSIGNMENT

Amir Eliaz, residing at 128 Moshav Ben Shamen, Israel 73115, a citizen of Israel (hereinafter referred to as the undersigned), is inventor of the applications for patents identified in Exhibit A.

In consideration of One Dollar ($1.00) and other good and valuable considerations in hand paid, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby confirms previous assignment to MagnaCom Ltd, a company of Israel, its successors and assigns, the entire right, title and interest in certain inventions or improvements of the undersigned disclosed in the applications for patents set forth in Exhibit A, and, to the extent not previously assigned, hereby agrees to assign and hereby assigns to MagnaCom Ltd the entire right, title and interest in the inventions or improvements of the undersigned disclosed in the applications for patents set forth in Exhibit A as well as the applications for patents set forth in Exhibit A, as identified in the offices of McANDREWS, HELD & MALLOY, LTD., and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any continuation, continuation-in-part, divisional, re-examination, reissue or extension of such applications or patents, and further assigns to said assignee the priority right provided by the International Convention.

The undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

The undersigned hereby authorizes and requests the attorneys of record in said application to insert in this assignment the filing date and serial number of said application when officially known, if applicable.

The undersigned warrants himself to be the owner of the entire right, title and interest in said invention or improvements and to have the right to make this assignment, and further warrants that there are no outstanding prior assignments, licenses, or other encumbrances on the interest herein assigned.

For said considerations the undersigned hereby agrees, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all continuation, continuation-in-part, divisional, re-examination, extension and substitute applications for said invention or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue, re-examination or extension of any Letters Patent that may be granted upon said application, and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns may deem necessary or expedient, and for the said considerations the undersigned authorizes said assignee to apply for patents for said invention or improvements in its own name in such countries where such procedure is proper and further agrees, upon the request of said assignee, its successors and assigns, to cooperate to the best of the ability of the undersigned with said assignee, its successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain said Letters Patent, both United States and foreign, and to vest all rights hereby conveyed in the assignee, its successors and assigns, whereby said Letters Patent will

be held and enjoyed by the said assignee, its successors and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

WITNESS my hand this 3 day of Feb, 2013.

Amir Eliaz

Exhibit A

MHM File No.	Application No.	Filing Date	Title
N/A	61/662,085	June 20, 2012	Apparatus and Method for Efficient Utilization of Bandwidth
25968US01	61/747,132	Dec. 28, 2012	Modulation Scheme Based on Partial Response
26149US01	61/729,774	Nov. 26, 2012	Modulation Scheme Based on Partial Response
26150US02	13/754,964	Jan. 31, 2013	Low-Complexity, High-Spectrally-Efficient Communications
26151US02	13/754,998	Jan. 31, 2013	Design and Optimization of Partial Response Pulse Shape Filter
26152US02	13/755,001	Jan. 31, 2013	Constellation Map Optimization For Highly Spectrally Efficient Communications
26153US02	13/755,008	Jan. 31, 2013	Dynamic Filter Adjustment for Highly-Spectrally-Efficient Communications
26156US02	13/755,011	Jan. 31, 2013	Timing Synchronization for Reception of Highly-Spectrally-Efficient Communications
26157US02	13/755,014	Jan. 31, 2013	Signal Reception Using Non-Linearity-Compensated, Partial Response Feedback
26158US02	13/755,018	Jan. 31, 2013	Feed Forward Equalization for Highly-Spectrally-Efficient Communications
26159US02	13/755,021	Jan. 31, 2013	Decision Feedback Equalization for Highly Spectrally Efficient Communications
26160US02	13/755,025	Jan. 31, 2013	Decision Feedback Equalizer with Multiple Cores for Highly-Spectrally-Efficient Communications
26161US02	13/755,026	Jan. 31, 2013	Decision Feedback Equalizer Utilizing Symbol Error Rate Biased Adaptation Function for Highly Spectrally Efficient Communications
26163US02	13/755,028	Jan. 31, 2013	Coarse Phase Estimation for Highly-Spectrally-Efficient Communications
26164US02	13/755,039	Jan. 31, 2013	Fine Phase Estimation for highly Spectrally Efficient Communications
26165US02	13/755,972	Jan. 31, 2013	Multi-Mode Transmitter for Highly-Spectrally-Efficient Communications
26166US02	13/755,043	Jan. 31, 2013	Joint Sequence Estimation of Symbol and Phase with High Tolerance of Nonlinearity

26168US02	13/755,050	Jan. 31, 2013	Adaptive Non-Linear Model for Highly-Spectrally-Efficient Communications
26169US02	13/755,052	Jan. 31, 2013	Pilot Symbol-Aided Sequence Estimation for Highly-Spectrally-Efficient Communications
26171US02	13/755,054	Jan. 31, 2013	Method and System for Corrupt Symbol Handling for Providing High Reliability Sequences
26172US02	13/755,060	Jan. 31, 2013	Method and System for Forward Error Correction Decoding with Parity Check for Use in Low Complexity Highly-Spectrally Efficient Communications
26174US02	13/755,061	Jan. 31, 2013	Method and System for Quality of Service (QOS) Awarene3ss in a Single Channel Communication System
26396US01	61/726,099	Nov. 14, 2012	Modulation Scheme Based on Partial Response
26467US02	13/756,079	Jan. 31, 2013	Pilot Symbol Generation for Highly-Spectrally-Efficient Communications
26468US02	13/755,065	Jan. 31, 2013	Timing Pilot Generation for Highly-Spectrally-Efficient Communications
26469US02	13/756,010	Jan. 31, 2013	Multi-Mode Receiver for Highly-Spectrally-Efficient Communications
26470US02	13/755,068	Jan. 31, 2013	Forward Error Correction with Parity Check Encoding for Use in Low Complexity High-Spectrally Efficient Communications
26480US02	13/756,469	Jan. 31, 2013	Highly-Spectrally-Efficient Receiver