

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
Name	Execution Date
Jeffrey Paul Harrang	06/01/2010
David B. Gibbons	06/01/2010
<b>RECEIVING PARTY DATA</b>	
Name:	Opanga Networks, Inc.
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Internal Address:	Suite 2200
City:	Seattle
State/Country:	WASHINGTON
Postal Code:	98101
<b>PROPERTY NUMBERS Total: 1</b>	
Property Type	Number
Application Number:	12789065
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ATTORNEY DOCKET NUMBER:	80194-18US0
NAME OF SUBMITTER:	Michael J. Donohue
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**PATENT**  
**REEL: 024693 FRAME: 0313**

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ASSIGNMENT

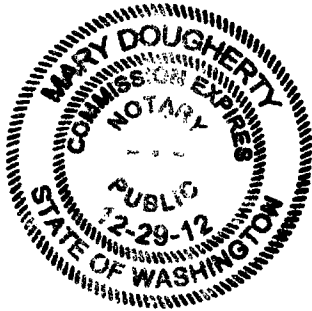
WHEREAS, we, JEFFREY PAUL HARRANG and DAVID B. GIBBONS (hereinafter referred to as ASSIGNORS), having mailing addresses of 24239 NE 7th Place, Sammamish, WA 98074 and 6615 223rd Avenue NE, Redmond, WA 98053, respectively, are the joint inventors of an invention entitled "SYSTEMS AND METHODS FOR OPTIMIZING CHANNEL RESOURCES BY COORDINATING DATA TRANSFERS BASED ON DATA TYPE AND TRAFFIC," as described and claimed in the specification for which an application for United States letters patent was filed on May 27, 2010 and assigned Application No. 12/789,065, and as described and claimed in the specification for which a PCT application was filed on May 27, 2010 and assigned Application No. PCT/US2010/036486. This application claims the benefit of Provisional Application No. 61/235,297, filed on August 19, 2009.

WHEREAS, OPANGA NETWORKS, INC. (hereinafter referred to as ASSIGNEE), a corporation of the State of Washington having a place of business at 1201 Third Avenue, Suite 2200, Seattle, Washington 98101-3045, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been



instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.



Dated 6-1-2010  
Signature of Mary Dougherty  
Notary Public Mary Dougherty  
Printed Name Mary Dougherty  
My appointment expires 12-29-2012