PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:		NEW ASSIGNMENT					
NATURE OF CONVEYANCE:		ASSIGNMENT					
CONVEYING PARTY DATA							
N			lame	Execution Date			
Tracey C. HO				06/27/2013			
Michelle EFFROS				07/03/2013			
RECEIVING PARTY DATA							
Name:	CODE ON NET	CODE ON NETWORK CODING, LLC					
Street Address:	15 Lanark Rd.						
City:	Wellesley						
State/Country:	MASSACHUSE	MASSACHUSETTS					
Postal Code:	02841						
PROPERTY NUMBERS Total: 1							
Property Type			Number				
Application Number: 139407		03					
CORRESPONDENCE DATA							
Correspondent Name: Address Line 1:	Steinfl & E 155 N. La	oatlaw.c 3runo L ke Ave	LP . Suite 700		OP \$40.00 1:		
Correspondent Name: Address Line 1:	Steinfl & E 155 N. La Pasadena	oatlaw.c 3runo L ke Ave	LP . Suite 700		\$40.00		
Correspondent Name: Address Line 1: Address Line 4:	Steinfl & E 155 N. Lal Pasadena UMBER:	oatlaw.c 3runo L ke Ave	LP . Suite 700 FORNIA 91101		\$40.00		
Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET N	Steinfl & E 155 N. Lal Pasadena UMBER:	oatlaw.c 3runo L ke Ave	LP . Suite 700 FORNIA 91101 P949-US		\$40.00		
Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET N NAME OF SUBMITTER:	Steinfl & E 155 N. Lal Pasadena UMBER:	oatlaw.c 3runo L ke Ave	LP . Suite 700 FORNIA 91101 P949-US Jonathan Bass		\$40.00		

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ASSIGNMENT

We, Tracey C. HO, residing in the UNITED STATES OF AMERICA with a mailing address at 1107 Laguna Rd., Pasadena, CA 91105 and

Michelle EFFROS, residing in the UNITED STATES OF AMERICA with a mailing address at 961 E. California Blvd., #220, Pasadena, CA 91106,

hereby sell and assign for good and valuable consideration, the receipt of which we hereby acknowledge,

to CODE ON NETWORK CODING, LLC, an entity having its principal place of business in the UNITED STATES OF AMERICA at 15 Lanark Rd., Wellesley, MA 02841

hereinafter referred to as the assignee, its successors, assigns and nominees, our entire right, title and interest, including all priority rights under U.S. law and/or International conventions and treaties, in and to the "DETERMINISTIC DISTRIBUTED NETWORK CODING"

invented by us, as described and/or claimed in U.S. Provisional Application No. 61/672,208, filed on July 16, 2012, in the corresponding U.S. Patent Application, and in any other related patent applications filed and/or to be filed not only for, to and in the United States of America its territories and possessions, but also for, to and in all other countries, including any and all divisions, reissues, continuations, continuations-in-part and extensions of said U.S. Patent Application and any and all international patent applications related to said U.S. Provisional Application No. 61/672,208 and/or U.S. Patent Application. We hereby authorize and request Enrica Bruno or Alessandro Steinfl of the Firm Steinfl & Bruno to insert here in parentheses (Application Filing date July 12, 2013 13/940,703 No.) the application number and filing date of said U.S. Patent Application when known. We further authorize and request any officials whose duty it is to issue patents, to issue any patent on said "DETERMINISTIC DISTRIBUTED NETWORK CODING" and/or improvements thereof or resulting therefrom to said assignee or its successors, assigns or nominees, and agree to testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, continuation-in-part and/or reissue applications, make all rightful oaths and/or declarations and generally do everything possible to aid said assignee, its successors,

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assigns and nominees to obtain and enforce proper patent protection for said invention in the United States of America and in all other countries.

Subscribed and executed at	Pasadena	CA
On Date		
	Inventor Name:	Tracey C. HO
	Inventor Signatu	re,
Witnessed by:		×
Witness Name: 402 2006	Signatun	· Fricknose
Witness Name: <u>Kertin Wi</u>	198	
Subscribed and executed at		
	City	Country
On Date		Michelle EFFROS
	Inventor Signatu	f@
Witnessed by:		
Witness Name:	Signatun	9
Witness Name:	Signatur	Ş

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assigns and nominees to obtain and enforce proper patent protection for said invention in the United States of America and in all other countries.

City	Country
Inventor Name: Tracey	(C. HO
Inventor Signature	
Signature	
Signature	
Pasadena City	USA Country
Inventor Name: Michi	
	till Cypos
Signature	
Signature	
	City Inventor Name: Tracey Inventor Signature

RECORDED: 07/22/2013

PATENT REEL: 030847 FRAME: 0638,