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PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4856076

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MARK L TUCKER	03/30/2009
JEREMY BRUESSTLE	03/25/2009
RILEY ELLER	03/18/2009
BRIAN RETFORD	03/23/2009
CHOONG NG	03/26/2009

RECEIVING PARTY DATA

Name:	COCO COMMUNICATIONS CORP
Street Address:	999 THIRD AVENUE, SUITE 3700
City:	SEATTLE
State/Country:	WASHINGTON
Postal Code:	98104

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14886704

CORRESPONDENCE DATA

Fax Number: (206)381-3301

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 206.381.3300

Email: armentrout@lowegrahamjones.com **Correspondent Name:** LOWE GRAHAM JONES PLLC Address Line 1: 701 FIFTH AVENUE, SUITE 4800 Address Line 4: SEATTLE, WASHINGTON 98104

ATTORNEY DOCKET NUMBER:	COCO-1-1042
NAME OF SUBMITTER:	RAYMOND W ARMENTROUT
SIGNATURE:	/Raymond W. Armentrout/
DATE SIGNED:	03/07/2018

Total Attachments: 10

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PATENT REEL: 045138 FRAME: 0342

This Assignment is by Mark L. Tucker; Jeremy Bruestle; Riley Eller; Brian Retford; and Choong Ng (the "Assignors"), residing in Seattle, Washington; Seattle, Washington; Seattle, Washington; and Seattle, Washington, respectively. The Assignors have invented one or more certain inventions (the "Invention(s)") described in a Patent application for Letters Patent of the United States entitled SECURE, DISTRIBUTED HIERARCHICAL CONVERGENCE NETWORK (the "Application"), already filed on July 10, 2008 as U.S. Application No. 12/160,598.

CoCo Communications Corp., a Corporation of Delaware having its principal place of business at 999 Third Avenue, Suite 3700, Seattle, Washington 98104 ("Assignee"), desires to acquire the entire right, title and interest in and to the Invention(s) and the Application, and in and to any patents (collectively, "Patents") that may be granted for the Invention(s) in the United States or in any foreign countries.

For valuable consideration, the receipt and sufficiency of which Assignors acknowledge, Assignors hereby sell, assign, and transfer to Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to: the Invention(s), the Application, and any Patents; any divisions, continuations, and continuations-in-part of the Application and any other application claiming priority rights from the Application; any reissues, reexaminations, or extensions of any and all Patents; the right to file foreign applications directly in the name of Assignee; and the right to claim priority rights deriving from the Application (collectively, the "Rights"). Assignors warrant that Assignors own the Rights, and that the Rights are unencumbered. Assignors also agree to not sign any writing or do any act conflicting with this assignment, and, without further compensation, sign all documents and do such additional acts as Assignee deems necessary or desirable to: perfect Assignee's enjoyment of the Rights; conduct proceedings regarding the Rights, including any litigation or interference proceedings; or perfect or defend title to the Rights. Assignors request the Commissioner of Patents to issue any Patent of the United States that may be issued on the Invention(s) to Assignee. This Assignment may be executed in counterparts.

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Date: _	03/30/09	Signature:	Mark L. Tucker
Date: ्	er generaler ein verein ein er ein verein protes er gegen de	Signature:	Jeremy Bruestle
Date: _.		Signature:	Riley Eller
Date:		Signature:	Brian Retford
Date:		Signature:	Choona Na

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Date:	3-25-09	Signature:	Jeremy Bruestle
Date: _		Signature:	Riley Eller
Date: _		Signature;	Brian Retford
Date: _		Signature:	Choong Ng

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Date:		Signature: _	Jeremy Bruestle
Date:	3/18/2009	Signature:	Riley Eller
Date:		Signature: _	Brian Retford
Date:		Signature: _	Choong Ng

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Date:	Signature: Mark L. Tucker	
Date:	Signature: Jeremy Bruestle	
Date:	Signature:Riley Eller	
Date: 3.23/2009	Signature: Brian Retford	_
Date:	Signature: Choong Ng	

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Date:	Signature:	
	Mark L. Tu	ucker
Date:	Signature:	ruestle
Date:	Signature;Riley Eller	
Date:	Signature:Brian Retf	ord
Date: 124 26 M ar (0)	Signature Choong N	g

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