

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MIKKO TERVAHAUTA	06/08/2011
ARI BACKHOLM	06/06/2011
SEPPO SALORINNE	06/20/2011
JUKKA AHONEN	06/13/2011
MIKKO DAAVITILA	09/26/2011
ANDREW EVERITT	08/12/2011
LAURI VUORNOS	06/15/2011
RECEIVING PARTY DATA	
Name:	SEVEN NETWORKS INTERNATIONAL OY
Street Address:	PACIUKSENKATU 29
City:	HELSINKI
State/Country:	FINLAND
Postal Code:	FL-00270
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16245625
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NAME OF SUBMITTER:	DONNA M. DONOVAN
SIGNATURE:	/Donna M. Donovan/
DATE SIGNED:	01/15/2019

Total Attachments: 5

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ASSIGNMENT BY INVENTORS

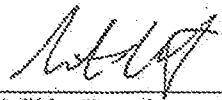
This Assignment is by Mikko Tervahauta; Ari Backholm; Seppo Salorinne; Jukka Ahonen; Mikko Daavittila; Andrew Everitt; and Lauri Vuornos (the "Assignors"), having mailing addresses at 2757 Polk Street, San Francisco, California 94131; Koivistontie 14 E, FI-00950 Espoo, FINLAND; Jaustilanpolku 7, FI-00950 Helsinki, FINLAND; Huvilinnantie 5 C 37, FI-02600 Espoo, FINLAND; Serkustentie 1 G 64, FI-00430 Helsinki, FINLAND; 19 Coles Road, Milton, CAMBRIDGE, CB4 6 BL, UNITED KINGDOM; and 2757 Polk Street #5, San Francisco, California 94105, 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 DYNAMIC ADJUSTMENT OF KEEP-ALIVE MESSAGE INTERVALS IN A MOBILE NETWORK (the "Application"), already filed on March 8, 2011 as U.S. Application No. 13/043,425.

Seven Networks International OY, a Corporation having its principal place of business at Paciuksenkatu 29, FI-00270 Helsinki, FINLAND ("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.

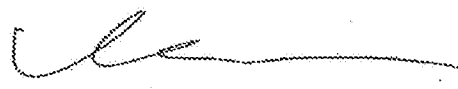
For valuable consideration, the receipt and sufficiency of which Assignors acknowledge, Assignors hereby sell, assign, and transfer to Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to: the Invention(s), the Application, and any Patents; any divisions, 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.

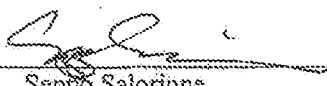
Date: 6/8/2011

Signature: 
Mikko Tervahauta

Date: 6/6/2011

Signature: 
Ari Backholm

Date: 20.6.2011

Signature: 
Seppo Salorinne

Date: _____

Signature: _____
Jukka Ahonen

Date: _____

Signature: _____
Mikko Daavittila

Date: _____

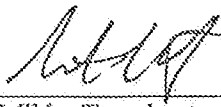
Signature: _____
Andrew Everitt

Date: 15.6.2011

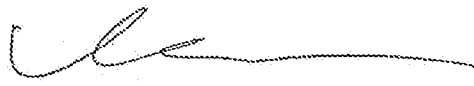
Signature: 
Lauri Vuornos

of Patents to issue any Patent of the United States that may be issued on the Invention(s) to Assignee.
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Date: 6/8/2011

Signature: 
Mikko Tervahauta

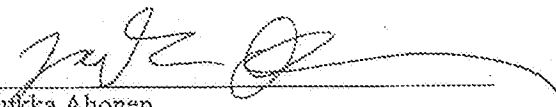
Date: 6/6/2011

Signature: 
Ari Backholm

Date: 6/13/2011

Signature: _____
Seppo Salorinne

Date: 6/13/2011

Signature: 
Jukka Ahonen

Date: _____

Signature: _____
Mikko Daavittila

Date: _____

Signature: _____
Andrew Everitt

Date: _____

Signature: _____
Lauri Vuornos

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.

Date: _____ Signature: _____
Mikko Tervahauta

Date: _____ Signature: _____
Ari Backholm

Date: _____ Signature: _____
Seppo Salorinne

Date: _____ Signature: _____
Jukka Ahonen

Date: 9/26/2011 Signature: 
Mikko Daavittila

Date: _____ Signature: _____
Andrew Everitt

Date: _____ Signature: _____
Lauri Vuornos

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.

Date: _____ Signature: _____
Mikko Tervahauta

Date: _____ Signature: _____
Ari Backholm

Date: _____ Signature: _____
Seppo Salorinne

Date: _____ Signature: _____
Jukka Ahonen

Date: _____ Signature: _____
Mikko Daavittila

Date: 12-AUG-2011 Signature: A.T. Everitt
Andrew Everitt

Date: _____ Signature: _____
Lauri Vuornos