502958039 09/02/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3004637

SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY DA	ΑΤΑ	· · ·			
		Name	Execution Date		
BOB FORSMAN			12/14/2011		
CHARLES DASHER			12/14/2011		
CHRIS PHILLIPS			12/13/2011		
JENNIFER REYNOLDS			12/15/2011		
STEVE MARTIN			12/14/2011		
RECEIVING PARTY DATA					
Name: Ericsson Television Inc.					
Street Address:	4500 F	liver Green Parkway			
Internal Address: Suite 110					
City:	: Duluth				
State/Country:	GEORGIA				
Postal Code: 30096					
PROPERTY NUMBERS Total: 1					
Property Type		Number			
Application Number:		14271201			
CORRESPONDENCE DATA					
Fax Number: (972)583-7864					
		o the e-mail address first; if that is un			
using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail. Phone: 972-583-4795					
		kathryn.lopez@ericsson.com			
		WILLIAM TUCKER			
Address Line 1: 6300		6300 LEGACY DRIVE			
Address Line 2: MS E		MS EVR 1C11			
Address Line 4: PLANO, TEXAS 75024					
ATTORNEY DOCKET NUMBER:		P34892-US2			
NAME OF SUBMITTER:		WILLIAM J. TUCKER	WILLIAM J. TUCKER		
		/William J. Tucker, Beg No. 4135	/William J. Tucker, Reg No. 41356/		
SIGNATURE:					
SIGNATURE: DATE SIGNED:		09/02/2014			

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This Assignment is made by:

BOB FORSMAN

CHARLES DASHER

CHRIS PHILLIPS

JENNIFER REYNOLDS

STEVE MARTIN

5177 Allison Way Sugar Hill, GA 30518 United States 1515 Rivershyre Parkway Lawrenceville, GA 30044 United States 628 Mustang Drive Hartwell, GA 30643 United States 3125 Abbotts Pointe Drive Duluth, GA 30097 United States 8042 South Niagara Way Centennial, CO 80112 United States

(hereinafter referred to as "Assignor(s)") in favor, and for the benefit and behoof of,

Ericsson Television Inc.,

a corporation organized and existing under the laws of the state of Delaware, having its principal offices at 4500 River Green Parkway, Duluth, GA 30096 (hereinafter referred to as "Assignee").

For good, sufficient and adequate consideration, the receipt of which is hereby acknowledged, the Assignor(s) have, as of the Effective Date, sold, assigned, transferred, and set over, and by these presents, and to the extent any transferable or assignable rights still remain with the inventor, do hereby sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the following inventions, application(s) for Letters Patent, and any and all Letters Patent or Patents in all countries and pursuant to all multilateral treaty organizations, including Sweden, the United States of America, the Patent Cooperation Treaty and European Patent Convention, that may be granted therefor and thereon, and in and to any and all divisions, continuations, continuations-in-part, conversions and utility models of said application(s), and reissues and extensions of said Letters Patent or Patents, the same to be held and enjoyed by the Assignee, for its use and behoof and the use and the behoof of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent, Patents and Utility Models may be granted as fully and entirely as the same would have been held and enjoyed by the Assignor(s) had this sale and assignment not been made:

VIRTUALIZATION IN ADAPTIVE STREAM CREATION AND DELIVERY

including, but not limited to, the application(s) for Letters Patent and Utility Model filed in:

Country	Application No.	File Date
US	13/329,443	12/19/2011
US	14/271.201	05/06/2014

Page 1 of 8

The Effective date is the earliest date of the above listed Filing Date(s).

Assignor(s) hereby authorize and request Assignee's Attorneys to insert the serial number and filing date of said application(s) for Letter Patent or Utility Model, when known. The assignment of the above mentioned rights includes a transfer of the whole right to use a priority (including priority according to any convention, multilateral agreement, bilateral agreement and national law) of the above mentioned application(s) for Letter Patent and Utility Model in all countries and multilateral treaty organizations wherein no residual rights shall remain with the Assignor(s). Assignor(s) hereby request that said Letters Patent, Patent or Utility Model be issued to Assignee as the Assignee of said inventions, the Letters Patent, Patent or Utility Model be issued to be issued for the sole use and behoof of the Assignee, its successors, legal representatives, and assigns. Assignee alone hereinafter has the entire disposal of the invention and possesses entire ownership to any domestic and foreign patents or utility models granted thereinafter. The rights granted hereunder shall include all rights to institute legal actions, obtain remedies and recover and retain damages in respect to said Letters Patent, Patent or Utility Model.

The Assignor(s) and Assignee hereby understand and agree that with the execution of this Assignment, to the extent necessary or appropriate, national and/or regional applications may be filed by the Assignee as the applicant and on behalf of the assignor.

To the extent Assignee is entitled to receive the rights hereunder pursuant to this Assignment, each of the Assignor(s) hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of the Effective Date, the Assignor(s) were the sole and lawful owners of the entire right, title, and interest in and to the inventions and application(s) for Letters Patent or Utility Models above-mentioned, and that the same are unencumbered, and that the Assignor(s) have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

Further, and for the same consideration, the Assignor(s) hereby covenant(s) and agree(s) to and with the Assignee, its successors, legal representatives, and assigns that the Assigner(s) will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said application(s) for Letters Patent, or any proceeding in connection with Letters Patent or Utility Model for said inventions, in any country and any multilateral treaty organization, including interference proceedings, is lawful and desirable, or that any division, continuation, continuation-in-part, conversion or Utility Model of any application(s) for Letters Patent or Utility Model, or any reissue or extension of any Letters Patent to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Utility Model for said inventions, without charge to Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns. If any of the Assignor(s) is prevented by any obstacles from signing said documents in person, this Assignment shall be valid as a Power of Attorney for the Assignee to sign these documents on behalf of any such Assignor(s) or, in the event of the death of the latter, the estate thereof.

Page 2 of 8

This Assignment shall be governed by and construed under, and any dispute, controversy or claim related hereto shall be decided in accordance with, the laws of:

UNITED STATES

without regard to the conflicts of laws provisions thereof. Any dispute, controversy or claim arising under, out of or relating to this Assignment and any subsequent amendments of this Assignment, including, without limitation, its formation, validity, binding effect, interpretation, performance, breach or termination, as well as non-contractual claims, shall be referred to and finally determined by arbitration in accordance with the WIPO Arbitration Rules. The arbitral tribunal shall consist of a sole arbitrator. The place of arbitration shall be in the country of the inventor's residence. The language to be used in the arbitral proceedings shall be English.

No modifications shall be made to this Assignment unless in writing and signed by each of the Assignor(s) and Assignee. If any of the provisions of this Assignment shall be deemed invalid or unenforceable, then the entire Assignment shall be construed as if not containing the particular invalid or unenforceable provision or provisions, and the rights and obligations of Assignee and Assignor(s) shall be construed and enforced accordingly. Assignee's failure to exercise any option made available as a result hereof, shall not be construed as a waiver of such provisions, rights, or options, or affect the validity of this Assignment. Assignor covenants and agrees that it will not take any actions in violation of this Assignment.

Subsequent assignment from any of the assignors to the assignee purporting to convey the subject matter specified herein for a particular country, patent office, or jurisdiction shall not invalidate any provision of this assignment and any such subsequent assignment shall act as a further confirmation of the assignment herein.

Date 2/29/2012

Signature on behalf of Assignee

David Hampel

Page 3 of 8

TRIE: VIRTUALIZATION IN ADAPTIVE STREAM CREATION AND DELIVERY

Date ______ Zøll_____Signature of Assignor

Date. 20014, 2011 Witnessed by

Name:

Address:

BOB FORSMAN

MA W.M Hast Wattins

331 Northeresk Dr Canton GA 30115

Date Dec 14 2011 Witnessed by

Name:

Address:

Dorell & Teel 1500 River Leer ?Kuy Duloth Ga 300 94

Page 4 of 8

THE: VIRTUALIZATION IN ADAPTIVE STREAM CREATION AND DEVIVERY

Date 12/14/2011 Date 12/14/2011

Signature of Assignor

Witnessed by

Name:

Address:

CHARLES DASHER

4500 River Green Phy Duluth, 6A 30096

Date 12/14/11

Witnessed by

Name:

Address:

REEN THUY uth, GA. 30096

Tille: VIRTUALIZATION IN ADAPTIVE STREAM CREATION AND DELIVERY

Date...12/13/.2011.....

Signature of Assignor

11/13/2011

Witnessed by

Name:

Address:

CHRIS PHILLIPS

Man

MARK C. DAEKU

3067 GLENDINIEZ WAY

RUSWELL, GA 30075

Date 12(13/2011

Witnessed by

Name:

Address:

Jun 30 9

Title: VIRTUALIZATION IN ADAPTIVE STREAM CREATION AND DELIVERY

Date 12/15/11

Signature of Assignor

Date...1.2/15/14

Witnessed by

Name:

Address:

NIKER REYNOLDS

. J.J.J. Landfamming

-218.1. Pectin D-LASSACAN 110, GA 30043

Date 12/15/2019

Witnessed by

Name:

Address:

<u>Kav</u> 3305 havetter w

Title: VIRTUALIZATION IN ADAPTIVE STREAM CREATION AND DELIVERY

Date 12 /14 /2-011 Signature of Assignor

Date 12/14/2011

Witnessed by

Name:

Address:

..... And A. 5. 5. 5. 5. 5. STEVE MARTIN

mand Smi 5794 Sharon De . Line ei Norass, 69.30071

Date 12/11/2011 Witnessed by

Name:

Address:

LAWRENCE L. CEE

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Page 8 of 8

RECORDED: 09/02/2014