

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT6952875

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
LIVEQOS INC.	01/15/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ADAPTIV NETWORKS INC.
<b>Street Address:</b>	480 BOULEVARD DE LA CITÉ, SUITE 201
<b>City:</b>	GATINEAU, QUÉBEC
<b>State/Country:</b>	CANADA
<b>Postal Code:</b>	J8T 8R3
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14821718
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>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.</i>	
<b>Phone:</b>	(613) 866-9031
<b>Email:</b>	aviva.ovadia@stratford.group
<b>Correspondent Name:</b>	STRATFORD MANAGERS CORPORATION
<b>Address Line 1:</b>	1072 BRIDLEWOOD DRIVE
<b>Address Line 4:</b>	BROCKVILLE, ONTARIO, CANADA K6V 7G2
<b>ATTORNEY DOCKET NUMBER:</b>	0187-3USD3
<b>NAME OF SUBMITTER:</b>	AVIVA OVADIA
<b>SIGNATURE:</b>	/AVIVA OVADIA/
<b>DATE SIGNED:</b>	10/05/2021
<b>Total Attachments: 5</b>	
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## ASSIGNMENT

Whereas, **LiveQoS Inc.**, whose full post office address is **350 Legget Drive, Suite 102, Kanata, Ontario, Canada K2K 2W7**, owns by assignment inventions as described in the attached Schedule A:

And WHEREAS **Adaptiv Networks Inc.**, whose full post office address is **480 Boulevard de la Cité, Suite 201, Gatineau, Québec, Canada, J8T 8R3**, is desirous of acquiring the entire interest therein;

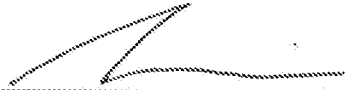
NOW, THEREFORE, To All Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we have and by these presents do hereby sell, assign and transfer unto said assignee, its successors and assignees, the entire right, title and interest in and to said invention or inventions, as described in the aforesaid application, in any form or embodiment thereof, and in and to the aforesaid application, and in and to any applications filed in any foreign country based thereon, including the right to file said foreign applications under the provisions of the International Convention; also the entire right, title and interest in and to any and all patents, reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions, and any divisional, continuation, substitute application(s) or supplementary disclosure(s) which may be filed upon said invention or inventions, in any country; and I/we hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said assignee.

I/We hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that wilful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such wilful false statements may jeopardize the validity of the application or any patent issued thereon.

Executed this 15<sup>th</sup> day of JANUARY 2020.

at OTTAWA, ON.

(Signature of Signing Authority)

  
LiveQoS Inc.


(Print Name) Salim Nensi

(Title) Chief Executive Officer

**Declaration by Witness**

I, Mathieu Drouin, whose full post office address is  
44 Mary Hill Crescent, Richmond Hill, ON, L4B 1B2 say:

That I was personally present and did see the above identified representative of **LiveQoS Inc.**, who is personally known to me duly sign and execute the above Assignment.

  
Signature of Witness

## Schedule A

Application #	Patent #	Country	Title
10/912,200	7,742,501	US	SYSTEM AND METHOD FOR HIGHER THROUGHPUT THROUGH A TRANSPORTATION NETWORK
12/193,345	8,009,696	US	SYSTEM AND METHOD FOR ACHIEVING ACCELERATED THROUGHPUT
12/959,944	9,379,913	US	SYSTEM AND METHOD FOR ACHIEVING ACCELERATED THROUGHPUT
13/449,159		US	SYSTEM AND METHOD FOR HIGHER THROUGHPUT THROUGH A TRANSPORTATION NETWORK
12/833,247	8,548,003	US	SYSTEM AND METHOD FOR HIGHER THROUGHPUT THROUGH A TRANSPORTATION NETWORK
13/097,991		US	SYSTEM AND METHOD FOR HIGHER THROUGHPUT THROUGH A TRANSPORTATION NETWORK
12/718,650	7,953,114	US	SYSTEM AND METHOD FOR ACHIEVING ACCELERATED THROUGHPUT
13/554,498	9,893,836	US	SYSTEM AND METHOD FOR HIGHER THROUGHPUT THROUGH A TRANSPORTATION NETWORK
14/695,122		US	SYSTEM AND METHOD FOR HIGHER THROUGHPUT THROUGH A TRANSPORTATION NETWORK
14/821,718		US	SYSTEM AND METHOD FOR HIGHER THROUGHPUT THROUGH A TRANSPORTATION NETWORK
PCT/CA2005/001206		WO	SYSTEM AND METHOD FOR HIGHER THROUGHPUT THROUGH A TRANSPORTATION NETWORK
2,576,038	2,576,038	CA	SYSTEM AND METHOD FOR HIGHER THROUGHPUT THROUGH A TRANSPORTATION NETWORK
05772137.5	1779606	EP	SYSTEM AND METHOD FOR HIGHER THROUGHPUT THROUGH A TRANSPORTATION NETWORK
70111907.2	1106639	HK	SYSTEM AND METHOD FOR HIGHER THROUGHPUT THROUGH A TRANSPORTATION NETWORK
1414/DELNP/2007		INN	SYSTEM AND METHOD FOR HIGHER THROUGHPUT THROUGH A TRANSPORTATION NETWORK
2007-524146	4712039	JP	SYSTEM AND METHOD FOR HIGHER THROUGHPUT THROUGH A TRANSPORTATION NETWORK
1020077005353	101160056	KR	SYSTEM AND METHOD FOR HIGHER THROUGHPUT THROUGH A TRANSPORTATION NETWORK
2,675,866		CA	SYSTEM AND METHOD FOR ACHIEVING ACCELERATED THROUGHPUT
09167948.0	2157749	EP	SYSTEM AND METHOD FOR ACHIEVING ACCELERATED THROUGHPUT
2009-189263	5164123	JP	SYSTEM AND METHOD FOR HIGHER THROUGHPUT THROUGH A TRANSPORTATION NETWORK
1075/KOL/2009		IN	SYSTEM AND METHOD FOR ACHIEVING ACCELERATED THROUGHPUT
10-2009-0076304	10-1649374	KR	SYSTEM AND METHOD FOR HIGHER THROUGHPUT THROUGH A TRANSPORTATION NETWORK

12181248.1	2528289	EP	SYSTEM AND METHOD FOR ACHIEVING ACCELERATED THROUGHPUT
13177433.3		EP	SYSTEM AND METHOD FOR ACHIEVING ACCELERATED THROUGHPUT
PCT/IB2011/050917		WO	SYSTEM AND METHOD FOR ACHIEVING ACCELERATED THROUGHPUT
11750276.5		EP	SYSTEM AND METHOD FOR HIGHER THROUGHPUT THROUGH A TRANSPORTATION NETWORK
13105968.2		HK	SYSTEM AND METHOD FOR HIGHER THROUGHPUT THROUGH A TRANSPORTATION NETWORK
201180020856.X		CN	SYSTEM AND METHOD FOR ACHIEVING ACCELERATED THROUGHPUT
2012-555533		JP	SYSTEM AND METHOD FOR ACHIEVING ACCELERATED THROUGHPUT
8371/CHENP/2012		IN	SYSTEM AND METHOD FOR ACHIEVING ACCELERATED THROUGHPUT
13/021,357	8,437,370	US	METHODS FOR ACHIEVING TARGET LOSS RATIO
13/311,018		US	METHODS FOR ACHIEVING TARGET LOSS RATIO
PCT/IB2012/050473		WO	METHODS FOR ACHIEVING TARGET LOSS RATIO
12741900.0	12741900.0	EP	METHODS FOR ACHIEVING TARGET LOSS RATIO
PCT/IB2012/056877		WO	METHODS FOR ACHIEVING TARGET LOSS RATIO
12856106.5	12856106.5	WP	METHODS FOR ACHIEVING TARGET LOSS RATIO
201280059935.6	201280059935.6	CN	METHODS FOR ACHIEVING TARGET LOSS RATIO
2014-545407	2014-545407	JP	METHODS FOR ACHIEVING TARGET LOSS RATIO
4826/CHENP/2014	4826/CHENP/2014	IN	METHODS FOR ACHIEVING TARGET LOSS RATIO
13/738,006	9,189,307	US	METHOD OF IMPROVING THE PERFORMANCE OF AN ACCESS NETWORK FOR COUPLING USER DEVICES TO AN APPLICATION SERVER
201410013257.0		CN	NETWORK QUALITY AS A SERVICE
14150050.4		EP	NETWORK QUALITY AS A SERVICE
108/CHE/2014		IN	NETWORK QUALITY AS A SERVICE
2014-002097		JP	NETWORK QUALITY AS A SERVICE
14/517,010	9,647,952	US	NETWORK QUALITY AS A SERVICE
15/478,525		US	NETWORK QUALITY AS A SERVICE
13/022,073	8,717,900	US	MECHANISMS TO IMPROVE THE TRANSMISSION CONTROL PROTOCOL PERFORMANCE IN WIRELESS NETWORKS
14/219,151	9,647,945	US	MECHANISMS TO IMPROVE THE TRANSMISSION CONTROL PROTOCOL PERFORMANCE IN WIRELESS NETWORKS
14/606,834	9,590,913	US	SYSTEM AND METHOD FOR REDUCING BANDWIDTH USAGE OF A NETWORK
15/413,485	10,057,178	US	SYSTEM AND METHOD FOR REDUCING BANDWIDTH USAGE OF A NETWORK
PCT/IB2012/050429		WO	MECHANISMS TO IMPROVE THE TRANSMISSION CONTROL PROTOCOL PERFORMANCE IN WIRELESS NETWORKS
201280007944.0		CN	MECHANISMS TO IMPROVE THE TRANSMISSION CONTROL PROTOCOL PERFORMANCE IN WIRELESS NETWORKS
12744550.0		EP	MECHANISMS TO IMPROVE THE TRANSMISSION CONTROL PROTOCOL PERFORMANCE IN WIRELESS NETWORKS

6875/CHENP/2013		IN	MECHANISMS TO IMPROVE THE TRANSMISSION CONTROL PROTOCOL PERFORMANCE IN WIRELESS NETWORKS
2013-552301		JP	MECHANISMS TO IMPROVE THE TRANSMISSION CONTROL PROTOCOL PERFORMANCE IN WIRELESS NETWORKS
16/044,695		US	MECHANISMS TO IMPROVE THE TRANSMISSION CONTROL PROTOCOL PERFORMANCE IN WIRELESS NETWORKS
61/651,977		US	SYSTEM AND METHOD FOR GROUP VIDEO MESSAGING SERVICE
13/804,651	8,966,598	US	SYSTEM AND METHOD FOR GROUP VIDEO MESSAGING SERVICE
14/592,975	9,407,870	US	SYSTEM AND METHOD FOR GROUP VIDEO MESSAGING SERVICE
13/644,057	8,630,204	US	SYSTEM AND METHOD FOR A TCP MAPPER
13/799,110	8,711,690	US	SYSTEM AND METHOD FOR A TCP MAPPER
PCT/IB2013/058900		WO	SYSTEM AND METHOD FOR A TCP MAPPER
13843654.8		EP	SYSTEM AND METHOD FOR A TCP MAPPER
201380051835.3		CN	SYSTEM AND METHOD FOR A TCP MAPPER
10-2015-7011508		KR	SYSTEM AND METHOD FOR A TCP MAPPER
14/157,717	9,503,377	US	SYSTEM AND METHOD FOR A TCP MAPPER
14/516,953	9,143,454	US	SYSTEM AND METHOD FOR A TCP MAPPER
14/827,694		US	SYSTEM AND METHOD FOR A TCP MAPPER
15/297,375		US	SYSTEM AND METHOD FOR A TCP MAPPER
16/107,138		US	SYSTEM AND METHOD FOR A TCP MAPPER
13/944,361		US	METHOD FOR EFFICIENT MANAGEMENT OF EMAIL ATTACHMENTS
14/460,526	10,097,373	US	UDP OVER TCP TUNNEL
16/123,436		US	UDP OVER TCP TUNNEL
62/067,650		US	USAGE AND PERFORMANCE BASED BILLING
14/921,272		US	USAGE AND PERFORMANCE BASED BILLING
14/605,498	10,122,640	US	MINIMAL BUFFER NETWORK ARBITER
16/163,841		US	MINIMAL BUFFER NETWORK ARBITER
15/053,065		US	EFFICIENT FILE ROUTING SYSTEM
15/083,442	10,218,772	US	EFFICIENT FILE ROUTING SYSTEM
16/205,391		US	EFFICIENT FILE ROUTING SYSTEM
15/141,165		US	EFFICIENT FILE ROUTING SYSTEM
16/021,807		US	NETWORK COMMUNICATIONS WITH OPTIMIZED QUALITY

Application #	Reg'n #	Country	Mark
85/742,551		US	LIVEQOS
85/780,940		US	QUALITY AS A SERVICE