

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
CHANNELOGICS, INC.	06/16/2003
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SCIENTIFIC-ATLANTA, INC.
<b>Street Address:</b>	5030 SUGARLOAF PARKWAY
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<b>State/Country:</b>	GEORGIA
<b>Postal Code:</b>	30044
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Patent Number:	7848234
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<b>NAME OF SUBMITTER:</b>	KAREN A. HALLOCK
<b>SIGNATURE:</b>	/Karen A Hallock/
<b>DATE SIGNED:</b>	06/19/2018
<b>Total Attachments: 3</b>	
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**ASSIGNMENT OF INVENTION AND  
PATENTS THEREON**

WHEREAS, ChanneLogics, Inc., a corporation of the State of Georgia, having its principal place of business at 2030 Powers Ferry Road, Suite 580, Atlanta, GA 30339 (hereinafter the "Assignor") owns certain inventions and improvements disclosed in the applications for Letters Patent set forth below (hereinafter the "Assigned Applications"),

#0 US 60/205,963 filed May 19, 2000

MMM File No. 29670

Method and System For Quality Of Service Enhancement For Access Area Networks

#1 US 09/800,717 filed March 7, 2001

MMM File No. 32045

Monitoring and Allocating Access Across A Shared Communications Medium

#2 US 09/800,735 filed March 7, 2001

MMM File No 33243

Methods of Allocating Access Across A Shared Communications Medium

#3 US 09/800,608 filed March 7, 2001

MMM File No 33244

Solicitations for Allocations of Access Across A Shared Communications Medium

#4 US 09/800,803 filed March 7, 2001

MMM File No. 33245

Allocating Access Across A Shared Communications Medium of a DOCSIS 1.0 Compliant Cable Network

#5 US 09/800,861 filed March 7, 2001

MMM File No. 33246

Allocating Access Across A Shared Communications Medium in a Carrier Network

#6 US 09/801,155 filed March 7, 2001

MMM File No. 33247

Computerized Method For Allocating Access Across A Shared Communications Medium

#7 US 09/800,674 filed March 7, 2001

MMM File No. 33540

Allocating Access Across A Shared Communications Medium

#8 US 09/800,981 filed March 7, 2001

MMM File No. 33541

Allocating Access Across A Shared Communications Medium To User Classes

#9 PCT/US01/07209 filed March 7, 2001

MMM File No 33832

Allocating Access Across Shared Communications Medium

#10 EP 01914723.0 National Patent Application based on PCT  
MMM File No. 35390  
Allocating Access Across Shared Communications Medium

#11 US 09/935,514 (Continuation of #9) filed August 23, 2001  
MMM File No. 35430  
Allocating Access Across Shared Communications Medium To User Classes

#12 US 60/371,213 filed April 9, 2002  
MMM File No. 37571  
A White Paper on JAVLogics, ChanneLogics' Scheme for Embedding Forecasting Technology in a  
DOCSIS Environment

WHEREAS, Scientific-Atlanta, Inc., a Georgia corporation, having a place of business at 5030 Sugarloaf Parkway, Lawrenceville, GA, 30044 (hereinafter the "Assignee") is desirous of acquiring an interest in the same;

NOW, THEREFORE, for and in consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt of sufficiency of which is hereby acknowledged, Assignor by these presents does sell, assign and transfer unto Assignee the full, exclusive and entire right, title and interest in and to said Assigned Applications, in and to any divisions, reissues thereof, and in and to all inventions and improvements disclosed and described in said Assigned Applications, preparatory to obtaining Letters Patent of the United States therefore; and Assignor hereby requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States resulting from said Assigned Applications, or from a division, continuation, or reissue thereof, to Assignee, as the Assignee, for its interest and for the sole use and benefit of Assignee and its assigns and legal representatives.

For the same consideration, Assignor by these presents does sell, assign, and transfer to Assignee the full, exclusive, and entire right, title and interest in and to any foreign application or applications corresponding to said Assigned Applications, in whole or in part, in countries other than the United States, in and to any Letters Patent and similar protective rights granted on said foreign applications, and in and to the right to claim any applicable priority rights arising from or required for said foreign applications under the terms of any applicable conventions, treaties, statutes, or regulations, said foreign applications to be filed and issued in the name of Assignee, or its designee insofar as permitted by applicable law.

AND, for the same consideration, Assignor agrees to sign all lawful papers, execute all divisional, continuing, reissue and other applications, make all assignments and rightful oaths, and generally do everything possible to aid Assignee, its successors, assigns, and nominees, to obtain and enforce proper protection for all said inventions and improvements in all countries through the world.

Assignor further agrees that all necessary records of Assignor to establish priority of invention in any interference or similar proceeding will be made available at no additional charge to Assignee, in the event such records are needed in connection with any of the assigned Letters Patent or Assigned Applications for Letters Patent.

Assignor further agrees and acknowledges that the sales, assignments, and transfers described herein shall be effective as of NOVEMBER 6, 2002.

IN WITNESS WHEREOF, the undersigned has caused this Assignment to be executed by its duly authorized officers, this 16th day of June, 2003.

Assignor: ChanneLogics, Inc.

By: Clay Scarborough  
Clay Scarborough  
Title: Secretary

STATE OF GEORGIA            )  
  ) ss:  
COUNTY OF GWINNETT    )

Before me, the undersigned attesting officer duly authorized to administer oaths, a Notary Public in and for the county aforesaid, on this 16<sup>th</sup> day of June, 2003, personally appeared Clay Scarborough, to me known personally, and who, being by me duly sworn, deposes and says that he is the Secretary of ChanneLogics, Inc., and that said instrument was signed on behalf of said corporation by authority of its Board of Directors, and said Clay Scarborough acknowledged said instrument to be the free act and deed of said corporation.

(SEAL)



Maryellen Licker  
NOTARY PUBLIC

My Commission Expires: April 4, 2006