## 502112872 10/31/2012

#### PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
Erik GUTTMAN	10/22/2012
Haris ZISIMOPOULOS	10/22/2012

## RECEIVING PARTY DATA

Name:	SAMSUNG ELECTRONICS CO., LTD.
Street Address:	129, Samsung-ro, Yeongtong-gu
City:	Suwon-si, Gyeonggi-do
State/Country:	KOREA, REPUBLIC OF

## PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13695529

### **CORRESPONDENCE DATA**

**Fax Number**: 2024033587

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 202-293-0804

Email: usdocketing@jeffersonip.com

Correspondent Name: Jefferson IP Law, LLP
Address Line 1: 1130 Connecticut Ave., NW

Address Line 2: Suite 420

Address Line 4: Washington, DISTRICT OF COLUMBIA 20036

ATTORNEY DOCKET NUMBER:	0203-0944
NAME OF SUBMITTER:	Raymond B. Persino

#### **Total Attachments: 5**

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PATENT REEL: 029219 FRAME: 0865 OP \$40.00 13695529

Form **PTO-1595** (Rev. 07/05) OMB No. 0651-0027 (exp. 6/30/2008)

RECORDATION FORM COVER SHEET  PATENTS ONLY		
	se record the attached documents or the new address(es) below.  2. Name and address of receiving party(ies)	
1. Name of conveying party(ies)  1) Erik GUTTMAN and 2) Haris ZISIMOPOULOS	2. Name and address of receiving party(ies)	
1) ETIK GUT TIVIAN ATU 2) TIATIS ZIOTIVIOT GOLGO	Name: Samsung Electronics Co., Ltd.	
	Internal Address:	
Additional name(s) of conveying party(ies) attached? Yes V	4	
3. Nature of conveyance/Execution Date(s):	Street Address: 129, Samsung-ro, Yeongtong-gu	
Execution Date(s) October 22, 2012	·	
Assignment Merger		
Security Agreement Change of Name	City: Suwon-si, Gyeonggi-do	
Joint Research Agreement	State:	
Government Interest Assignment		
Executive Order 9424, Confirmatory License	Country: Republic of Korea Zip:	
Other	Additional name(s) & address(es) attached? Yes Vo	
13/695,529 Additional numbers att	tached? Yes VNo	
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: One	
Name: Jefferson IP Law, LLP	7. Total fee (37 CFR 1.21(h) & 3.41) \$	
Internal Address: Daniel Schneider	Authorized to be charged by credit card	
	Authorized to be charged to deposit account	
Street Address: 1130 Connecticut Ave., NW, Suite 420	Enclosed	
Stieet Address. Thou confidence Avo., 1997, Saite 420	None required (government interest not affecting title)	
City: Washington	8. Payment Information	
State: District of Columbia Zip:20036	a. Credit Card Last 4 Numbers	
Phone Number: 202-293-0804	Expiration Date	
Fax Number: 202-403-3587	b. Deposit Account Number	
Email Address: usdocketing@jeffersonip.com	Authorized User Name	
9. Signature: //Daniel SCHNEIDER/ Reg. #		
Signature Daniel Schneider	Date  Total number of pages including cover	
	sheet, attachments, and documents:	

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

**REEL: 029219 FRAME: 0866** 

Attorney Docket No.: 0203-0944

Client Docket No.: YPF201104-0072/US\_DMC

# <u>Assignment</u>

WHEREAS, the following inventors, namely 1) Erik GUTTMAN a citizen of the United States and 2) Haris ZISIMOPOULOS a citizen of Greece, residing respectfully at 1) Eichhölzelstr. 7, 74915 Waibstadt, Germany, and 2) 85, Brompton Park Crescent, London SW6 1SP, United Kingdom (hereinafter called "Assignors"), having made or discovered certain new, useful and non-obvious improvements in an invention having a working title of:

## IMPROVEMENTS TO MULTICAST TRAFFIC MANAGEMENT,

for which a United States Patent Application is being filed concurrently herewith or, if not being concurrently filed, was filed on October 31, 2012, and assigned Serial No. 13/695,529; and,

WHEREAS, Samsung Electronics Co., Ltd., a corporation duly organized under the laws of the Republic of Korea, located and doing business at 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea (hereinafter called "Assignee"), is desirous of acquiring the entire right, title and interest therein:

NOW, THEREFORE, BE IT KNOWN that for and in good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors do hereby sell, assign and transfer unto said Assignee the entire and exclusive worldwide right, title and interest in and to all said inventions and discoveries disclosed in said application, and in and to said application, any and all substitutions, divisions, provisionals, conversions of provisionals and continuations thereof, and in and to all Letters Patent, United States and foreign, that may be granted for said inventions and discoveries, and in and to all extensions, renewals and reissues thereof; and the right to file any foreign application and/or claim priority under the provisions of any international treaty or convention arising from this application or any divisional, continuing, substitute or reissue application therefrom. The aforesaid assignment includes the right in and to all income, royalties, damages and payments, now or hereafter due or payable with respect to any Letters Patent which may be granted, and in and to all causes of action (either in law or in equity), and the right to sue, counterclaim, and recover for past, present and future infringement of the rights assigned or to be assigned under this Assignment, as fully and entirely as the same would have been held and enjoyed by Assignors if this sale, assignment and transfer had not been made.

Assignors covenant and agree, without further compensation to said Assignors but at Assignee's expense:

- a. to execute:
  - all papers to be used in connection with this application and any divisional, continuing, substitute or reissue application thereof, as the Assignee may deem necessary or expedient, and
  - all papers in connection with any interference, litigation, mediation, arbitration or other proceeding relating to this application or any divisional, continuing, substitute or reissue application thereof, as may be necessary or expedient;
- to cooperate with the Assignee in every way possible in obtaining evidence and going forward in any interference, litigation, mediation, arbitration or other proceeding relating to said invention, said application and any divisional, continuing, substitute or reissue application thereof;
- to communicate to the Assignee any facts relating to said invention, said application and any divisional, continuing, substitute or reissue application thereof, including evidence for any interference, litigation, mediation, arbitration or other proceeding relating to said invention, whenever requested;

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d. to testify in any interference, litigation, mediation, arbitration or other proceeding rotating to said invention, said application and any divisional, continuing, substitute or reissue application thereof whenever requested; and

c. to perform all other affirmative acts which may be necessary or desirable to secure full and complete protection of the inventions and discoveries or that may be necessary or desirable to vest in Assignee the complete title to the inventions and discoveries and Letters Patent hereby conveyed and to enable Assignee to record title.

Assignors heroby authorize and request the United States Patent and Trademark Office or any other issuing authority to issue any and all Letters Patent that may be granted upon this invention and/or this application or any divisional, continuing, substitute or reissue application thereof to the Assignee, its legal representatives, successors and assigns.

Assignors each hereby represent, covenant and warrant that he or she has the full right to convey the entire right, title and interest by this instrument, free of any encumbrances and that no other agreement has been or will be executed in conflict herewith.

The provisions of this Assignment are binding upon each Assignor's heirs, legal representatives and/or administrators and assigns.

Assignors hereby grant to the law firm of Jefferson IP Law, LLP of Washington, DC and its attorneys and agents as associated with Customer No. 68103 the authority and power to insert on this instrument any further identification which may be necessary or desirable for purposes of recordation in the United States Patent and Trademark Office or a Patent Office of any foreign country.

Signature of First Inventor:	EL April	22.10.12	
	Erik GUTTMAN	Date	
Olas adams and Ray and Yamoon boar			
Signature of Second Inventor:			
	Maris ZISIMOPOULOS	Date	

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Client Docket No.: YPF201104-0072/US\_DMC

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  - all papers to be used in connection with this application and any divisional, continuing, substitute or reissue application thereof, as the Assignee may deem necessary or expedient, and
  - all papers in connection with any interference, litigation, mediation, arbitration or other proceeding relating to this application or any divisional, continuing, substitute or reissue application thereof, as may be necessary or expedient;
- to cooperate with the Assignee in every way possible in obtaining evidence and going forward in any interference, litigation, mediation, arbitration or other proceeding relating to said invention, said application and any divisional, continuing, substitute or reissue application thereof;
- c. to communicate to the Assignee any facts relating to said invention, said application and any divisional, continuing, substitute or reissue application thereof, including evidence for any interference, litigation, mediation, arbitration or other proceeding relating to said invention, whenever requested;

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- d. to testify in any interference, litigation, mediation, arbitration or other proceeding relating to said invention, said application and any divisional, continuing, substitute or reissue application thereof whenever requested; and
- e. to perform all other affirmative acts which may be necessary or desirable to secure full and complete protection of the inventions and discoveries or that may be necessary or desirable to vest in Assignee the complete title to the inventions and discoveries and Letters Patent hereby conveyed and to enable Assignee to record title.

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Signature of First Inventor:		
	Erik GUTTMAN	Date
Signature of Second Inventor:	Haris Lisimorgulos	<u>Oct. 22,201</u> Date

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