

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Pravesh Biyani	01/27/2011
Laurent Francis Alloin	01/26/2011
Shankar Prakriya	01/27/2011
Surendra Prasad	01/27/2011
RECEIVING PARTY DATA	
Name:	Ikanos Communications, Inc.
Street Address:	47669 Fremont Boulevard
City:	Fremont
State/Country:	CALIFORNIA
Postal Code:	94538
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12969332
CORRESPONDENCE DATA	
Fax Number:	(770)951-0933
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	770-933-9500
Email:	julie.campbell@tkhr.com
Correspondent Name:	Thomas, Kayden, Horstemeyer & Risley LLP
Address Line 1:	400 Interstate North Parkway
Address Line 2:	Suite 1500
Address Line 4:	Atlanta, GEORGIA 30339
ATTORNEY DOCKET NUMBER:	050912-1660
NAME OF SUBMITTER:	Scott A. Horstemeyer

OP \$40.00 12969332

Total Attachments: 6

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PATENT
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**ASSIGNMENT
OF UTILITY PATENT APPLICATION**

WHEREAS, the following parties:

<u>Name</u>	<u>Address</u>
Pravesh Biyani	IP-59, IIT Delhi, Hauz Khas New Delhi, IN 110016
Laurent Francis Alloin	20 Riverdale Avenue Monmouth Beach, NJ 07750
Shankar Prakriya	Dept. of Electrical Engineering Indian Institute of Technology Rm. II-136, Hauz Khas New Delhi, IN 110016
Surendra Prasad	Dept. of Electrical Engineering Indian Institute of Technology Rm. II-1217, Hauz Khas New Delhi, IN 110016

hereinafter referred to as ASSIGNOR, has/have invented certain new and useful improvements ("invention(s)") as described and set forth in the below-identified utility application for United States Letters Patent entitled:

**SYSTEMS AND METHODS OF RESOURCE ALLOCATION FOR CANCELLATION OF
CROSSTALK**

which was:

- executed on even date herewith,
- filed with the United States Patent and Trademark Office (USPTO) on December 15, 2010, and assigned Serial No. 12/969,332, and
- further described in U.S. Provisional application entitled _____, filed with the USPTO on _____, and assigned Serial No. _____.

WHEREAS, **Ikanos Communications, Inc.** having a place of business at 47669 Fremont Boulevard, Fremont, CA 94538, and **Indian Institute of Technology Delhi**, having a place of business at the Department of Electrical Engineering, Room II-136, Hauz Khas, New Delhi 110016, India, hereinafter referred to as ASSIGNEES, is desirous of acquiring ASSIGNOR'S interest in and to said invention(s), said utility application, said provisional application, and any U.S. and foreign patents which are related to the same.

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 by ASSIGNOR, ASSIGNOR has sold, assigned and transferred and does hereby sell, assign and transfer unto ASSIGNEES, and ASSIGNEES' successors and assigns, (a) the entire right, title and interest, for the United States of America, in and to said invention(s), said utility application, and said Provisional application and all the rights and privileges in any application and under any and all patents that may be granted in the U.S. for said inventions, including all corresponding provisional, continuation, continuation-in-part, divisional, reissue, and reexamination applications; and (b) the entire right, title and interest in and to said invention(s), said utility application, and said provisional application for all countries foreign to the U.S., including all rights of priority arising from them, and all the rights and privileges under any and all forms of protection, including patents, that may be granted in said countries foreign to the U.S. for them.

ASSIGNOR authorizes ASSIGNEES to make application for such protection in its own name and maintain such protection in any and all countries foreign to the U.S., and to invoke and claim for any application for patent or other form of protection for said Inventions, without further authorization from ASSIGNOR, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

ASSIGNOR hereby consents that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of ASSIGNEES to apply for patent or other form of protection for said Inventions, said utility application, or said provisional application and to claim the aforesaid benefit of the right of priority.

ASSIGNOR requests that any and all patents for said inventions be issued to ASSIGNEES in the U.S. and to ASSIGNEES in all countries foreign to the U.S., or to such nominee as ASSIGNEES may designate.

ASSIGNOR covenants and agrees that, when requested, ASSIGNOR shall, without charge to ASSIGNEES but at ASSIGNEES' expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable, or convenient in connection with the patent applications, patents, or other forms of protection of said invention(s), and for the defense and protection thereof if challenged in the court of law.

ASSIGNOR authorizes ASSIGNEES or its agents to insert, on ASSIGNOR's behalf, the filing date and/or serial number above pertaining to the utility application and/or the provisional application, if not known as of the date of execution of this document.

Pravesh

Pravesh Biyani

Date: 27/01/11

S. M. Z. Afandani

Witness

Date: _____

S. M. Z. Afandani
27/01/11

Dileep Verma

Witness

Date: 27.01.11

Dileep
27/01/11



Laurent Francis Alloin

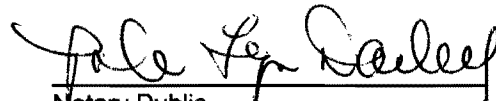
Date: 01/26/2011

United States of America

State of New Jersey

County of Monmouth

On this 26th day of January, 2011, before me personally came **Laurent Francis Alloin** to me known to be the individual described above and who executed the foregoing instrument, or acknowledged execution of the same.



Notary Public

PATRICIA LYNN DAILEY
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires May 2, 2012
My Commission Expires (Date)

P Shankar

Shankar Prakriya

Date: 27th of January 2011

S. M. ZAFARUDDIN

Witness

Date: 27/01/11

for me

Dileep

Witness

Date: 27.01.11

Surendra
Surendra Prasad

Date: _____

S. M. Zafaruddin
Witness
Date: 27 / 01 / 11 Zafaruddin

Dileep
Witness
Date: 27.01.11