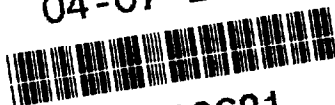


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Area Code and Telephone Number

(512) 499-6200

Name

Russell C. Scott

Address (line 1)

Akin, Gump, Strauss, Hauer & Feld, L.L.P.

Address (line 2)

816 Congress Avenue, Suite 1900

Address (line 3)

Austin, Texas 78701

Address (line 4)

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Application Number(s) or Patent Number(s)



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Patent Application Number(s)

08/925,552

Patent Number(s)

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Month Day Year

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Name (line 1) **Rajpal, Sandeep**

Name (line 2)

Name (line 1) **Nobakht, Ramin A.**

Name (line 2)

Name (line 1)

Name (line 2)

Execution Date

Month Day Year
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Execution Date

Month Day Year
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Execution Date

Month Day Year

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Enter additional Receiving Party(ies)



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Patent Application Number(s)

Patent Number(s)

PATENT

REEL: 010654 FRAME: 0086

Docket No: 97RSS246

ASSIGNMENT OF INVENTION

WHEREAS, Olafur O. Jonsson, Sverrir (nmi) Olafsson, Sandeep (nmi) Raipal and Ramin A. Nobakht hereinafter sometimes referred to as "said inventor," has invented certain new and useful improvements in 4X4 DIMENSIONAL BLOCK MODULATION CODE FOR A PAM-5 CONSTELLATION which invention or inventions (hereinafter referred to as "invention") have been disclosed to and filed, under Docket No. 97RSS246, in the patent files of his employer, ROCKWELL SEMICONDUCTOR SYSTEMS, INC., 4311 Jamboree Road, Newport Beach, CA 92660-3095 and which invention will be covered by a patent application, the serial number and filing date of which he hereby authorizes his attorney to insert here: (Serial No. 08/925,552 Filed 9/8/97) when known: and

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said inventor has sold, assigned and transferred and by these presents do sell, assign and transfer unto ROCKWELL SEMICONDUCTOR SYSTEMS, INC., the entire right, title and interest in and to said invention and in and to said application and in and to all Letters Patent to be obtained for said invention by the above application or any continuation, continuation-in-part, division, renewal, or substitute thereof, or any reissue or re-examination thereof, for the territory of the United States of America and for all foreign countries; said invention and application to be held and enjoyed by the said ROCKWELL SEMICONDUCTOR SYSTEMS, INC., for its own use and benefit and for the use and benefit of its successors and assigns, to the full end of the term for which Letters Patent on same will be granted, as fully and entirely as the same would have been held by said inventor had this Assignment and sale not been made.

FURTHER, said inventor agrees to sign all lawful papers necessary or helpful in obtaining a patent on said invention or in filing any divisional, continuation, continuation-in-part, substitution, or reissue application on said invention or in obtaining any re-examination thereof.

Executed at Reykjavik, Iceland
this 3 day of March, 19 98.

First Inventor

Olafur O. Jonsson
Olafur O. Jonsson

Executed at Reykjavik, Iceland
this 3 day of March, 19 98.

Second Inventor

Sverrir Olafsson
Sverrir Olafsson

Docket No: 97RSS246

ASSIGNMENT OF INVENTION

Executed at Newport Beach, County of Orange, and State of California,
this 9th day of March, 1998.

Third Inventor

Sandeep (nmi) Rajpal

State of California)

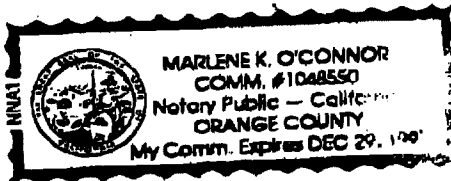
)ss.

County of Orange)

On March 9, 1998 before me, Marlene K. O'Connor, a Notary Public in and for the said county, personally appeared Sandeep (nmi) Rajpal, personally known to me, (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/~~she~~/they executed the same in his/~~her~~/their authorized capacity(~~ies~~), and that by his/~~her~~/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

(Stamp)



Marlene K. O'Connor
Marlene K. O'Connor, Notary Public
Orange County, California

Executed at Newport Beach, County of Orange, and State of California,
this 12th day of March, 1998.

Fourth Inventor

Ramin A. Nobakht

State of California)

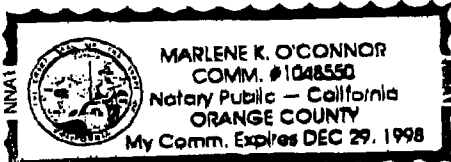
)ss.

County of Orange)

On March 12, 1998 before me, Marlene K. O'Connor, a Notary Public in and for the said county, personally appeared Ramin A. Nobakht, personally known to me, (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/~~she~~/they executed the same in his/~~her~~/their authorized capacity(~~ies~~), and that by his/~~her~~/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

(Stamp)



Marlene K. O'Connor
Marlene K. O'Connor, Notary Public
Orange County, California