

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Yassin Aden Awad</td> <td>08/04/2004</td> </tr> <tr> <td>Sunil Keshavji Vadgama</td> <td>08/02/2004</td> </tr> </tbody> </table>		Name	Execution Date	Yassin Aden Awad	08/04/2004	Sunil Keshavji Vadgama	08/02/2004
Name	Execution Date						
Yassin Aden Awad	08/04/2004						
Sunil Keshavji Vadgama	08/02/2004						
RECEIVING PARTY DATA							
Name:	Fujitsu Limited						
Street Address:	1-1 Kamikodanaka 4-chome						
City:	Nakahara-ku, Kawasaki-shi, Kanagawa						
State/Country:	JAPAN						
Postal Code:	211-8588						
PROPERTY NUMBERS Total: 1							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>10901901</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	10901901		
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Application Number:	10901901						
CORRESPONDENCE DATA							
Fax Number:	(212)940-8986						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
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NAME OF SUBMITTER:	Brian S. Myers						
Total Attachments: 1 source=Adaptive Modulation and Coding#page1.tif							

CH \$40.00 10901901

ASSIGNMENT

Docket No.: FUJL 21.264

WHEREAS, the below named inventor, ASSIGNOR, has made a certain new and useful invention in: ADAPTIVE MODULATION AND CODING

for which

(check one) [] an application is being filed concurrently herewith, [x] an application for a Patent of the United States was filed on July 29, 2004 and given Application Serial No. 10/901,901

and WHEREAS, FUJITSU LTD. having a place of business at 1-1 Kamikodanaka 4-chome Nakahara-ku, Kawasaki-shi Kanagawa 211-8588 Japan ASSIGNEE

is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, the said ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventor's certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument; and

ASSIGNOR covenants and agrees that he has full right to convey the entire interest herein assigned, and has not executed, and will not execute, any agreement in conflict herewith; and

ASSIGNOR further covenants and agrees that he will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

Full name of sole or first inventor Tassin Aden AWAD
Inventor's Signature [Signature] Date 27 August 2004
Residence Southall Middlesex, United Kingdom Citizenship Finnish
Post Office Address 29A Darwin Drive Southhall Middlesex UB1 3JY United Kingdom

Full name of second joint inventor, if any Sunil Keshavji VADGAMA
Second Inventor's Signature [Signature] Date 2 Aug 2004
Residence Ashford Middlesex, United Kingdom Citizenship British
Post Office Address 24 Ashview Gardens Ashford Middlesex TW15 3RD, United Kingdom

Full name of third joint inventor, if any _____
Third Inventor's Signature _____ Date _____
Residence _____ Citizenship _____
Post Office Address _____