

# PATENT ASSIGNMENT

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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 style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Shan Yu</td> <td>11/30/2006</td> </tr> <tr> <td>Faisal Ishtiaq</td> <td>11/30/2006</td> </tr> </tbody> </table>		Name	Execution Date	Shan Yu	11/30/2006	Faisal Ishtiaq	11/30/2006	
Name	Execution Date							
Shan Yu	11/30/2006							
Faisal Ishtiaq	11/30/2006							
RECEIVING PARTY DATA								
Name:	General Instrument Corporation							
Street Address:	101 Tournament Drive							
City:	Horsham							
State/Country:	PENNSYLVANIA							
Postal Code:	19044							
PROPERTY NUMBERS Total: 1								
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11564606</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11564606			
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Application Number:	11564606							
CORRESPONDENCE DATA								
Fax Number:	(215)323-1300							
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>								
Phone:	215-323-1850							
Email:	docketing.horsham@motorola.com							
Correspondent Name:	Motorola, Inc.							
Address Line 1:	101 Tournament Drive							
Address Line 4:	Horsham, PENNSYLVANIA 19044							
ATTORNEY DOCKET NUMBER:	BCS03911							
NAME OF SUBMITTER:	Thomas Bethea Jr.							
Total Attachments: 2 source=BCS03911_assignment#page1.tif source=BCS03911_assignment#page2.tif								

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PATENT  
REEL: 018966 FRAME: 0214

**ASSIGNMENT FOR APPLICATION FOR PATENT**

WHEREAS:

Names and Addresses of Inventors:

1)	SHAN YU 806 GLENDALE ROAD GLENVIEW, IL 60025		
2)	FAISAL ISHTIAQ 5415 N. SHERIDAN ROAD UNIT 3011 CHICAGO, IL 60640		

(hereinafter referred to as Assignors), have invented a certain invention entitled:

**METHOD AND APPARATUS FOR SELECTING A REFERENCE FRAME FOR  
MOTION ESTIMATION IN VIDEO ENCODING**

enclosed herewith; and

WHEREAS, General Instrument Corporation, a corporation of the State of Pennsylvania, having a place of business at 101 Tournament Drive, Horsham, Pennsylvania 19044 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said application (hereinafter referred to as Application), and the invention disclosed therein (hereinafter referred to as Invention), and in and to all embodiments of the Invention, heretofore conceived, made or discovered by said Assignors, and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter referred to as Patents) thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Assignors to have been received in full from said Assignee:

1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.

2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt production of

pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for interference or other priority proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application therefor and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives and assigns.

4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

1) 11-30-06 (DATE)

SHAN YU

2) 11-30-2006 (DATE)

FAISAL ISHTIAQ

*Signed and sworn before me 30th November 2006.*

*my Commission expires: 01/17/2007*

*Nanette B. Orr*  
*Nanette B. ORR*

