

12-23-2005

RE



103143812

To the Director of the U.S. Patents and T

Documents or the new address(es) below.

12-1505

**1. Name of conveying party(ies)/Execution Date(s):**  
 Gerald R. Joyce  
 John L. Moran  
 Mark S. Schmidt

Execution Date(s) 11/7/05 11/8/05  
 Additional name of conveying party(ies) attached?  Yes  No

**2. Name and address of receiving party(ies)**  
 Name: General Instrument Corporation  
 Internal Address: \_\_\_\_\_  
 Street Address: 101 Tournament Drive  
 City: Horsham  
 State: PA  
 Country: USA Zip: 19044  
 Additional Name(s) & address(es) attached?  Yes  No

12975 U.S. PTO  
11/300905



**3. Nature of conveyance:**

Assignment  Merger  
 Security Agreement  Change of Name  
 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
 Other \_\_\_\_\_

**4. Application number(s) or patent number(s):**  This document is being filed together with a new application.

A. Patent Application No.(s) \_\_\_\_\_ B. Patent No.(s) \_\_\_\_\_

Additional numbers attached?  Yes  No

**5. Name and address of party to whom correspondence concerning this document should be mailed:**

Name: Robert P. Marley  
 Internal Address: \_\_\_\_\_  
Motorola, Inc.  
 Street Address: 101 Tournament Drive  
 City: Horsham  
 State: Pennsylvania Zip: 19044  
 Phone Number: (215) 323-1000  
 Fax Number: \_\_\_\_\_  
 Email Address: \_\_\_\_\_

**6. Total number of applications and patents involved:** 1

**7. Total fee (37 CFR 1.21(h) & 3.41)** \$ 40.00

Authorized to be charged by credit card  
 Authorized to be charged to deposit account  
 Enclosed  
 None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers \_\_\_\_\_  
 Expiration Date \_\_\_\_\_

b. Deposit Account Number 502117  
 Authorized User Name Motorola, Inc

**9. Signature :** \_\_\_\_\_ 12-15-05  
 Signature Date

12/22/2005 DBYRNE 00000001 502117 11300905  
 01 FC:021 40.00 DA Robert P. Marley Reg. No. 32,914  
 Name of Person Signing

Total number of pages, sheet, attachments, and documents including cover 4

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:  
 Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

409763

PATENT  
REEL: 017375 FRAME: 0086

**ASSIGNMENT FOR APPLICATION FOR PATENT**

WHEREAS:

Names and Addresses of Inventors:

1)	<b>GERALD R. JOYCE 121 PARMENTER ROAD NEWTON, MA 02465 USA</b>	3)	<b>MARK S. SCHMIDT 3285 WELMER PLACE SAN DIEGO, CA 92122 USA</b>
2)	<b>JOHN L. MORGAN 82 PROVIDENCE STREET MILLVILLE, MA 01529 USA</b>	4)	

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

**METHOD AND APPARATUS FOR USING LONG FORWARD ERROR  
CORRECTING CODES IN A CONTENT DISTRIBUTION SYSTEM**

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.

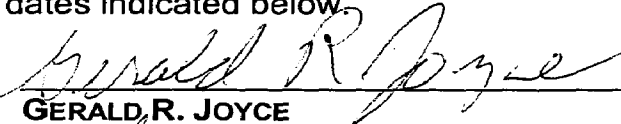
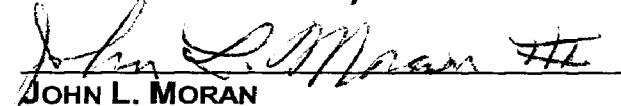

2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of

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) Nov 18 2005 (DATE)   
GERALD R. JOYCE
- 1) 11-18-2005 (DATE)   
JOHN L. MORAN
- 1) \_\_\_\_\_ (DATE)   
MARK S. SCHMIDT

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.

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1)	_____ (DATE)	_____
		<b>GERALD R. JOYCE</b>
1)	_____ (DATE)	_____
		<b>JOHN L. MORAN</b>
1)	<u>11/17/05</u> (DATE)	<u>Mark S. Schmidt</u>
		<b>MARK S. SCHMIDT</b>