

03-09-2000



101285948

RECORDATION FORM COVER SHEET  
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2.23.00

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

<b>Submission Type</b>		<b>Conveyance Type</b>	
<input checked="" type="checkbox"/> New	<input type="checkbox"/> Resubmission (Non-Recordation)	<input checked="" type="checkbox"/> Assignment	<input type="checkbox"/> Security Agreement
<input type="checkbox"/> Document ID# _____	<input type="checkbox"/> Correction of PTO Error	<input type="checkbox"/> License	<input type="checkbox"/> Change of Name
<input type="checkbox"/> Reel # _____ Frame # _____	<input type="checkbox"/> Corrective Document	<input type="checkbox"/> Merger	<input type="checkbox"/> Other _____
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J0610 U.S. PTO  
09/511087  
03/23/00

**Conveying Party(ies)**  Mark if additional names of conveying parties attached

Name (line 1) Richard A. Dziekan Execution Date 02-21-00  
 Name (line 2) \_\_\_\_\_

**Second Party**

Name (line 1) Nicholas D. Lee Execution Date 02-14-00  
 Name (line 2) \_\_\_\_\_ 09/511087

**Receiving Party**  Mark if additional names of receiving parties attached

Name (line 1) General Instrument Corporation  If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2) \_\_\_\_\_

Address (line 1) 101 Tournament Drive

Address (line 2) \_\_\_\_\_

Address (line 3) Horsham Pennsylvania USA 19044  
City State/Country Zip Code

**Domestic Representative Name and Address** Enter for the first Receiving Party only.

Name \_\_\_\_\_

Address (line 1) \_\_\_\_\_

Address (line 2) \_\_\_\_\_

Address (line 3) \_\_\_\_\_

Address (line 4) \_\_\_\_\_

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03/02/2000 MVILLARI 00000073 09511087

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Mail documents to be recorded with required cover sheet(s) information to:  
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PATENT  
REEL: 010590 FRAME: 0743

RECORDATION FORM COVER SHEET  
CONTINUATION  
PATENTS ONLY

Conveying Party(ies)

Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1) Jonathan A. Weinstock

Execution Date  
Month Day Year

02-14-00

Name (line 2)

Execution Date  
Month Day Year

Name (line 1) M. Lamine Sylla

02-17-00

Name (line 2)

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

JCS 70 U.S. PTO  
09/5/00  
02/23/00

Receiving Party(ies)

Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Name (line 1)

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Application Number(s) or Patent Number(s)

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)



**Correspondent Name and Address** Area Code and Telephone Number 7610-346-7112

Name Wendy W. Koba, esq.

Address (line 1) PO Box 556

Address (line 2) Springtown, PA 18081

Address (line 3) \_\_\_\_\_

Address (line 4) \_\_\_\_\_

**Pages** Enter the total number of pages of the attached conveyance document including any attachments. # \_\_\_\_\_

**Application Number(s) or Patent Number(s)**  Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)			Patent Number(s)		
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. Month Day Year \_\_\_\_\_

**Patent Cooperation Treaty (PCT)**

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT \_\_\_\_\_ PCT \_\_\_\_\_ PCT \_\_\_\_\_

PCT \_\_\_\_\_ PCT \_\_\_\_\_ PCT \_\_\_\_\_

**Number of Properties** Enter the total number of properties involved. # 1

**Fee Amount** Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00

Method of Payment: Enclosed  Deposit Account

Deposit Account (Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number: # \_\_\_\_\_

Authorization to charge additional fees: Yes  No

**Statement and Signature**

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Wendy W. Koba Wendy W. Koba 2/23/00  
Name of Person Signing Signature Date

## ASSIGNMENT AND AGREEMENT

For value received, we, Richard R. Dziekan of North Wales in the County of Montgomery and State of Pennsylvania, Nicholas D. Lee of King of Prussia in the County of Montgomery and State of Pennsylvania, M. Lamine Sylla of New Britain in the County of Bucks and State of Pennsylvania, and Jonathan A. Weinstock of Doylestown in the County of Bucks and State of Pennsylvania, hereby sell, assign and transfer to General Instrument Corp., a corporation of the State of Delaware, having an office at 101 Tournament Drive, Horsham, Pennsylvania 19044, U.S.A., and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to **Arrangement For Discovering The Topology Of An HFC Access Network** described in an application for Letters Patent of the United States, executed by us of even date herewith, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign and transfer to General Instrument Corp. the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

We authorize General Instrument Corp. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

We hereby consent 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 General Instrument Corp. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said inventions be issued to General Instrument Corp. in the United States and in all countries foreign to the United States, or to such nominees as General Instrument Corp. they may designate.

**PATENT**  
**REEL: 010590 FRAME: 0746**

We agree that, when requested, we shall, without charge to General Instrument Corp. but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

*Richard R. Dziekan*  
Richard R. Dziekan

Date: 2/21/2000

United States of America )

State of Pennsylvania ) ss.:

County of Montgomery )

On this 21<sup>st</sup> day of February, 2000, before me personally came Richard R. Dziekan, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

*Kimberlee A. Nilson*  
Notary Public

NOTARIAL SEAL  
KIMBERLEE A. NILSEN, Notary Public  
City of Philadelphia, Phila. County  
My Commission Expires May 5, 2001

PATENT  
REEL: 010590 FRAME: 0747

Nicholas D. Lee  
Nicholas D. Lee

Date: 2/14/00

United States of America )

State of Pennsylvania ) ss.:

County of Montgomery )

On this 14<sup>th</sup> day of February, 2000, before me personally came Nicholas D. Lee, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Kimberlee A. Nilson  
Notary Public

NOTARIAL SEAL  
KIMBERLEE A. NILSEN, Notary Public  
City of Philadelphia, Phila. County  
My Commission Expires May 5, 2001

**PATENT**  
**REEL: 010590 FRAME: 0748**

Jonathan A. Weinstock  
Jonathan A. Weinstock

Date: 2/14/00

United States of America )

State of Pennsylvania ) ss.:

County of Montgomery )

On this 14<sup>th</sup> day of February, 20 00, before me personally came Jonathan A. Weinstock, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Kimberlee A. Nilson  
Notary Public

NOTARIAL SEAL  
KIMBERLEE A. NILSEN, Notary Public  
City of Philadelphia, Phila. County  
My Commission Expires May 5, 2001

PATENT  
REEL: 010590 FRAME: 0749

M. Lamine Sylla  
M. Lamine Sylla

Date: 02/17/2000

United States of America )

State of Pennsylvania ) ss.:

County of Montgomery )

On this 17<sup>th</sup> day of February, 2000, before me personally came M. Lamine Sylla, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Kimberlee A. Nilson  
Notary Public

NOTARIAL SEAL  
KIMBERLEE A. NILSEN, Notary Public  
City of Philadelphia, Phila. County  
My Commission Expires May 5, 2001

RECORDED: 02/23/2000

PATENT  
REEL: 010590 FRAME: 0750