FORM PTO-1619A Expires 06/30/99 OMB 0651-0027

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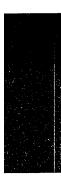
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Reel # Frame #	U.S. Government (For Use ONLY by U.S. Government	t Amencies)
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onveying Party(ies)	Mark if additional names of conveying part	ties attached Execution Date Month Day Year
Name (line 1) Richard R. Dzie	Kan	02-21-00
Name (line 2)		Execution Date
econd Party		Month Day Year
Name (line 1) Nicholas D. Lee		-01-11-00
Name (line 2)		07/5/1087
eceiving Party	Mark if additional names o	f receiving parties attached
Name (line 1) General Instru	ment Corporation	If document to be recorder is an assignment and the receiving party is not
Name (line 2)		domiciled in the United States, an appointment
ddress (line 1) IOI Tours nago	1 2	of a domestic representative is attached
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ddress (line 2)		Assignment.)
ddress (line 3) Horsham	Pennsylvania USA 19	044
omestic Representative Name and	Address Enter for the first Receiving Par	ty only.
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Address (line 1)		
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FORM PTO-1619C Expres 08/30/99 OMB 0851-0027	RECORDATION FORM COVER SHEET CONTINUATION PATENTS ONLY	U.S. Department of Commerce Patent and Tradement Office PATENT
Conveying Party(ies)	Mark if additional names of conveying parties at	tached Execution Date
Enter additional Conveying Par		Month Day Year
Name (line 1) Jonatho	an A. Weinstock	<u>02-14-00</u>
Name (line 2)		Execution Date Month Day Year
Name (line 1) M. Lami	ne Sylla	02-17-00
Name (line 2)		Execution Cate 4
Name (line 1)		Month Day Year G
Name (line 2)		
Receiving Party(ies)	Mark if additional names of receivi	ing parties attached
Enter additional Receiving Part	ty(ies)	
Name (line 1)		If document to be recorded is an assignment and the receiving party is not
Name (line 2)		domiciled in the United States, an appointment of a domestic representative
Address (line 1)		is attached. (Designation must be a separate document from
Address (line 2)		Assignment.)
Address (line 3)	City State/Country	Zip Code
Name (line 1)		If document to be recorded is an assignment and the
Name (line 2)		receiving party is not domiciled in the United States, an appointment of a
Address (line 1)		domestic representative is attached. (Designation must be a separate document from
Address (line 2)		Assignment.)
Address (line 3)	City State/Country	Zip Code
Application Number(s)	or Patent Number(s) Mark if additional numbers at	tached
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FORM PTO-1619B Expres 08/30/99 OMB 0851-0027	Page 2	U.S. Department of Commerce Patent and Trademark Office PATENT
Correspondent Name and Address	Area Code and Telephone Number (0/0	-346-7112
Name Wendy W. Koba,	esg.	
Address (line 1) PO Box 556		
Address (line 2) Springtown, PA	18081	
Address (line 3) Address (line 4)		
Pages Enter the total number of pag- including any attachments.	es of the attached conveyance document	#
Patent Application Number(s) If this document is being filed together with a new Patent signed by the first named executing inventor. Patent Cooperation Treaty (PCT) Enter PCT application number only if a U.S. Application Number has not been assigned.	Patent Number (DO NOT ENTER BOTH numbers for the	nber(s)
Number of Properties Enter the total	number of properties involved. #	
Fee Amount Fee Amount for	r Properties Listed (37 CFR 3.41): \$	40.00
Deposit Account (Enter for payment by deposit account or if addition	ed Deposit Account and fees can be charged to the account.) bosit Account Number:	
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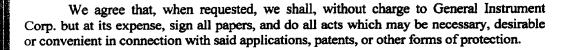
ASSIGNMENT AND AGREEMENT

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.



Richard R. Dziekan

Date: 7/21/2000

United States of America

State of Pennsylvania) ss.

County of Montgomery

On this 21St day of <u>full numbers</u>, 20<u>0</u>, 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.

Notary-Public

NOTARIAL SEAL

NOTARIAL SEAL Notery Public
City of Philadelphia, Phila. County
My Commission Expires May 5, 2001

Date: 2/14/60

United States of America

State of Junisylvania

) ss.:

County of Montgonery

On this day of Julium, 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.

Notary Public

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

Jonathan A. Weinstock

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

Date: C 2 United States of America

) ss.:

)

State of Pennsylvania County of Maritgomery

, 20<u>00</u>, before me day of 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.

PATENT REEL: 010590 FRAME: 0750 RECORDED: 02/23/2000