01-09-2004

!	FORM PTO 1595 1-31-92	ET U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office			
-	To the Honorable Commissio. 1026426	.ed original documents or copy thereof.			
	1. Name of conveying party(ies): Mohan (nmn) Manoharan William Paul Minnear Reza Sarrafi-Nour Krishan Lal Luthra	Name and address of receiving party(ies):     Name: General Electric Company     Internal Address:			
	Additional name(s) of conveying party(ies) attached? Yes No				
~	3. Nature of conveyance:  Assignment Merger  Security Agreement Change of Name  Other Execution Date: Nov 20, 2003 Nov 21, 2003  Dec 18, 2003	Street Address: One Research Circle  City: Niskayuna State: NY ZIP: 12309  Additional name(s) & address(es) attached? Yes No			
	Application number(s) or patent number(s):     If this document is being filed together with a new appl Nov 20, 2003     Nov 21, 2003     Nov 20, 2003	lication, the execution date of the application is:  Dec 18, 2003			
	A. Patent Application No.(s)  Additional numbers attach	B. Patent No.(s)    Hed?			
	Name and address of party to whom correspondence concerning document should be mailed:     Name: General Electric Company     Internal Address: GRC Patent Docket Rm. 4A59     Bldg. K-1 -Ross	6. Total number of applications and patents involved:  1 7. Total fee (37 CFR 3.41\$40.00  Enclosed			
	P.O. Box 8	Authorized to be charged to deposit account			
	Street Address: One Research Circle	8. Deposit account number: 07-0868			
	City: Schenectady State: NY ZIP: 12301	ETHIS SPACE			
	9. Statement and signature.  To the best of my knowledge and belief, the foregoing information is true and correct and any attached is a true copy of the original document.  Paul J. DiConza  Name of Person Signing  Total number of pages including cover sheet, attachments and document				
,	OMB No. 0651-0011 (exp 4/94)  Do Not detach this portion  Mail documents to be recorded with required cover sheet information to:  Commissioner of Patents and Trademarks				
01/08/2004 ED8PER 00000256 070868 10747724 Box Assignments Washington, D.C. 20231					
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400101117117			Docket Number			
ASSIGNMENT			RD-29346-1			
In consideration of One Dollar and Other good and valuable consideration, of which I acknowledge receipt, I (we)						
		Niskayuna, Nev	• , , ,			
	of	Clifton Park, Ne				
Reza Sarrafi-Nour	of	Clifton Park, Ne				
· · · · · · · · · · · · · · · · · · ·	of	Schenectady, N				
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sell and assign to General Electric Company, a New York Corpor	ratic	on, its successors	and assigns the entire right, title and			
interest in and to the improvements in:						
HIERARCHICAL MATERIALS						
invented by me (up), as described in the application for United Objection						
invented by me (us), as described in the application for United Stat	les	patent				
executed concurrently herewith, or						
U.S. Serial No.: , filed						
and any and all applications for natural and natural therefor in any			aloude a substitute of the sub			
and any and all applications for patent and patents therefor in any continuations and extensions thereof, and all rights of priority resu	y an ultir	ia all countries, inc ia from the filing of	Cluding all divisions, reissues,  I said United States application, and			
authorize and request any official whose duty it is to issue patents	s, to	issue any patents	s on said improvements or resulting			
therefrom to said General Electric Company, or its successors or	ass	signs and agree th	at on request and without further			
consideration, but at the expense of said Company, I will communate facts known to me respecting said improvements and testify in an	nica iv le	ite to said Compar egal proceeding, si	ny or its representatives or nominees any			
continuing and reissue applications, make all rightful oaths and ge	ene	rally do everything	possible to aid said Company, its			
successors, assigns, and nominees to obtain and enforce proper patent protection for said improvements in all countries.						
11/20/2003		18 6	langhowan			
1/20/2003 Date	<u>~</u>	lohan M	langhowan			
Date	Мо	han (nmn) Mano	haran			
State of New York SS:						
County of Schenectady						
This 20th day of Morenber		, 20 <u>Ø</u> , be	efore me personally came the			
above-named Mohan (nmn) Manoharan		to me nere	onally known as the individual who			
executed the foregoing assignment, who acknowledged to	o m	e that he/she exe	ecuted the same of his/her own			
free will for the purposes therein set forth.		$\sim$	<u> </u>			
RITA M. LYNCH Notery Public, State of New York	_	//	n.			
Seal Qual. in Rensselaer Co. No. 01176079764  Commission Expires 8 9 10 10 10 10 10 10 10 10 10 10 10 10 10		ita //	M. X yrel			
Commission Expires 8/29/01/0		(Note	ary Public)			

Page 1 of 2

ASSIGNIVIENT	RD-29346-1
November 21, 2003 William William	all Minitear
State of New York SS:	
County of Schenectady )	
This 1 st day of Juneally, 2003	, before me personally came
the above-namedto individual who executed the foregoing assignment, who acknowledged to same of his/her own free will for the purposes therein set forth.	me personally known as the me that he/she executed the
RITA M. LYNCH Rotary Public, State of New York  Qual. in Rensselaer Co. No. 01LY6079764  Commission Expires (Note	Lynch, ary Public)
November 20, 2003  Date  Rega Son  Rega Son	za Sarrafi-Nour
County of Schenectady  This day of	me personally known as the
Seal Ovel. in Rensselaer Co. No. 01LY607,9764 Commission Expires (Note	ary Public)
December 18, 2003 Keishan de Date Kr	shan Lal Luthra
State of New York State of New York	
County of Schenectady	
This 18th day of December, 20 D	), before me personally came
the above-named Krishan Lal Luthra to individual who executed the foregoing assignment, who acknowledged to same of his/her own free will for the purposes therein set forth.	me personally known as the me that he/she executed the
RITA M. LYNCH  Notary Public, State of New York  Qual. in Rensselaer Co. No. 01LY6078764  Commission Expires	ary Public)

Docket Number