01 FC:581

06-06-2002

Docket No. AUS920011046US1

EU190030955US

In place of Form PTO-1

102110948

RECORDATION FORM COVER SHEET **PATENTS**

1. Name of conveying party(ies):	
UTTAM SHYAMALINDU GHOSHAL	receiving party(ies):
	International Business Machine Corporation New Orchard Road Armonk, New York 10504
3. Nature of conveyance:	
X Assignment	
Execution Date(s):	April 10, 2002
4. Application number(s) or paten	nt number(s):
If this document is being fexecution date(s) of the ap	iled together with a new application, the oplication is(are): April 10, 2002
A. Patent Application(s) 5. Name and address of party to w	
5. Name and address of party to w correspondence concerning docushould be mailed: Casimer K. Salys IBM Corporation	7. Total fee (37 CFR 3.41) \$ 4
5. Name and address of party to w correspondence concerning docu should be mailed: Casimer K. Salys	whom 6. Total number of applications ument and patents involved:
5. Name and address of party to we correspondence concerning documents about the mailed: Casimer K. Salys IBM Corporation Intellectual Property Law 11400 Burnet Road Austin, TX 78758	7. Total fee (37 CFR 3.41) \$ \frac{X}{2} \text{ Authorized to be charged to } \frac{1}{2} \text{ Authorized to } \text{ Authorized to } \text{ Authorized to } Authorized
5. Name and address of party to we correspondence concerning documents about the mailed: Casimer K. Salys IBM Corporation Intellectual Property Law 11400 Burnet Road Austin, TX 78758	7. Total fee (37 CFR 3.41) \$ \frac{X}{2} \text{ Authorized to be charged to deposit account}
5. Name and address of party to we correspondence concerning documents and the second should be mailed: Casimer K. Salys IBM Corporation Intellectual Property Law 11400 Burnet Road Austin, TX 78758 (512) 823-0092	7. Total fee (37 CFR 3.41) \$ \frac{X}{2} Authorized to be charged to deposit account 8. Deposit account number: 09-0447
5. Name and address of party to we correspondence concerning documents and the second should be mailed: Casimer K. Salys IBM Corporation Intellectual Property Law 11400 Burnet Road Austin, TX 78758 (512) 823-0092	7. Total fee (37 CFR 3.41) \$\frac{X}{2}\$ Authorized to be charged to deposit account
5. Name and address of party to we correspondence concerning documents and signature. Casimer K. Salys IBM Corporation Intellectual Property Law 11400 Burnet Road Austin, TX 78758 (512) 823-0092	7. Total fee (37 CFR 3.41) \$ \frac{X}{2} \text{ Authorized to be charged to deposit account} \text{8. Deposit account number:}

PATENT REEL: 012773 FRAME: 0359

ASSIGNMENT

Whereas, I,

(1) <u>Uttam Shyamalindu Ghoshal</u> of <u>Austin</u> County of <u>Travis</u> and State of <u>Texas</u> County of <u>Travis</u>

have invented certain improvements in

NANOSCOPIC THE	RMOELECTRIC REFRIGERATORS
and executed, respectively, a Uni (Date Inventor Signed Declaration)	ited States patent application therefore on (1), 2002.
New York, having a place of busin called IBM), desires to acquire t	NESS MACHINES CORPORATION, a corporation of ness at Armonk, New York 10504, (hereinafter the entire right, title and interest in the nd to any United States and foreign patents
acknowledged, I, the above named, its successors and assigns, the e application and invention therein countries, and all rights of prior States application, and I reques Letters Patent granted upon the IBM, its successors and assigns; foreign Letters Patent on said	che consideration, receipt whereof is hereby hereby sell, assign, and transfer to IBM, entire right, title and interest in the said disclosed for the United States and foreign rity resulting from the filing of said United to the Commissioner of Patents to issue any invention set forth in said application to and I hereby agree that IBM may apply for invention and I will execute all papers United States and foreign applications when
(1) Signed at <u>Austin</u>	on <u>sprit</u> 16, 2002.
	Attran Aleyamaliada (A. 1). Uttam Shyamalindu Ghoshal
	Uttam Shyamalindu Ghoshal

RECORDED: 04/11/2002

Page 1 of 1 **PATENT REEL: 012773 FRAME: 0360**