10.20			·	Docket No.: END920010132US1 (15173)			
FORM PTO-1595 (Modified) (Rev. 03-01) OMB No. 6551-0027 (em. 5/3	10-09-20		ORM COVER SHEE	ΞT	U.S. DEPARTMENT		
OMB No. 6651-0027 (exp.5/3 P08A/REV03		iiiii :N	TS ONLY		Patent and	f Trademark Office	
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	- atom	Sun nark	s: Please record the			copy thereof.	
1. Name of conveying 1. Benson Chan, 2. 3 3. How T. Lin, 4. Cl 5. John H. Sherman	Richard R. Hall, hristopher J. Majka,	10-1-07	2. Name and add Name: Internation Address: New	ational Busines	ss Machines Corp	oranon —	
Additional names(s) of co	nveying party(ies)	☐ Yes 🏿 No				/262 /21/9	
3. Nature of conveyar	ice:					40.00	
Assignment	□ Me	erger					
☐ Security Agreem	nent 🗆 Ch	ange of Name	City: Armonk		State/Prov	: New York	
Other			Country: U.S.A	٨.	ZIP: 10504	<u> </u>	
Execution Date: 9-2	4-02;9-25-02		Additional name(s) &	address(es)	☐ Yes	⊠ No	
Patent Application i	No. Filing date		B. Patent	No.(s)			
FC:581 40.00 C	H /	Additional numbers	☐ Yes 🛛 No)			
	of party to whom corre	spondence	6. Total number o	f applications	and patents invol	ved: 1	
Name: Steven Fisc	7. Total fee (37 CFR 3.41):\$ 40.00						
Registration No. 3	☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account						
400 Gard	en City Plaza			to be charged	to deposit accou	nt	
(516) 742-4343			8. Deposit account number:				
City: Garden City State/Prov.: New York			09-0457/IBM				
Country: U.S.A. ZIP: 11530			(Attach duplicate copy of this page if paying by deposit account)				
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Name of Pe	erson Signing Total num	ber of pages including	Signature cover sheet, attachment	s, and	3 Date		

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments

Washington D.C. 20231

IBM REF: END920010132US1

SSMP: 15173

ASSIGNMENT

Whereas, we

Inventor (1) Benson Chan City of Vestal

and City County of Broome and State of New York

and (2) Richard R. Hall City of Endwell

> County of Broome and State of New York

(3) How T. Lin and City of Vestal

> County of Broome and State of New York

(4) Christopher J. Majka City of Owego and

> County of Tioga and State of New York

(5) John H. Sherman City of Lisle

County of Broome and State of New York

have invented certain improvements in

Title OPTICAL COUPLER REPLICATION ARRANGEMENT AND PROCESS

Dates That Inventors Signed the

and have executed, respectively, a United States patent application therefor on

2002, and (4) 9/24/2002 2002, and (5) 9/25/2002 (1) 9/2-1/02 2002.

2002.

(2) 9/24/02 (3) 9/25/07

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we the above named hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

> PATENT REEL: 013354 FRAME: 0240

IBM REF: END920010132US1

SSMP: 15173

ASSIGNMENT

City Date	(1) Signed at Endury No.	Benson First Name	Middle Initial	Chan Last Name	signature) inventor
City Date	(2) Signed at $ENDICOTTNY$ on $9/24/02$	(Richard First Name	R. Middle Initial	Hall Last Name	_ signature) inventor
City Date	(3) Signed at $ENDICOTT, NY$ on $9/25/03$	(How First Name	T. Middle Initial	Lin Last Name	_ signature) inventor
City Date	(4) Signed at Malcott Merification 9/24/2002	Arustip (Christopher First Name	J. Middle Initial	Majka Last Name	signature) inventor
City Date	(5) Signed at $\frac{2}{100}$ (6) Co $\frac{1}{100}$ (6) on $\frac{9}{25}$ $\frac{1}{200}$ 2	John First Name	H. Middle Initial	Sherman Last Name	_ signature) inventor

PATENT REEL: 013354 FRAME: 0241