U.S. PTO 11/888683 08/02/2007

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ORM PTO-1595 Rev. 6-93)	08-10-2007 SHEET U.S. DEPARTMENT OF COMMERC Patent and Trademark Offi
DMB No. 0651-0011 (exp. 4/94)	
To the Commissioner of Patents and	103435687 Joriginal documents or copy thereof.
Name of conveying party(ies):	Name and address of receiving party(ies):
Chao He Gary A. Ross	NCR Corporation Law Department 1700 South Patterson Blvd. Dayton, Ohio 45479-0001
Additional name(s) of conveying party(ies) attached? Yes	3 No
3. Nature of conveyance: ☐ Assignment ☐ Merger ☐ Security Agreement ☐ Change of ☐ Other	Name
Execution Date. July 23, 2007	Additional name(s) & address(es) attached? ☐ Yes ☒ No
A. Patent Application No.(s)	B. Patent No.(s) all numbers attached? Yes No
5. Name and address of party to whom correspon	dence 6. Total number of applications and patents involved:
concerning document should be mailed:	G. Total Hamber of approximate and persons with
Name: Michael Chan Address: NCR Corporation Law Department 1700 South Patterson Blvd Dayton, Ohio 45479-0001	7. Total fee (37 CFR 3.41): \$40 ☐ Enclosed ☐ Authorized to be charged to DepositeAccount
	8. Deposit Account No.: 14-0225 of NCR Corporation (Attach duplicate copy of this page if paying by gepesit account)
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original document Michael Chan	regoing information is true and correct and any attached copy is a true copy of the AUG 0 2007 Signature Date 5 s including cover sheet, attachments, and document: 3
Total number of page	e recorded with required cover sheet information to:
Mail documents to b	PATENT

REEL: 019707 FRAME: 0491

ASSIGNMENT OF UNITED STATES PATENT APPLICATION

WHEREAS, we, Chao He of Dundee, United Kingdom and Gary A. Ross of Midlothian, United Kingdom (hereinafter called "the inventor(s)"), have invented certain new and useful improvements in VALIDATION TEMPLATE FOR VALUABLE MEDIA OF MULTIPLE CLASSES, Docket No. 13196.00 (hereinafter called "the invention"), for which we have executed an application for Letters Patent of the United States of America (hereinafter called "the application") on same date herewith, respectively; and

WHEREAS, the invention, being made in the circumstances set out in Section 39 (1)(a) of the United Kingdom Patents Act 1977, belongs to our employer at that time, namely NCR Financial Solutions Group Limited, a company incorporated in England whose registered address is 206 Marylebone Road, London NW1, 6LY, United Kingdom; and

WHEREAS, NCR Corporation, a corporation of the State of Maryland, having its principal place of business at 1700 South Patterson Boulevard, Dayton, Ohio 45479-0001 USA, is desirous of acquiring from NCR Financial Solutions Group Limited, the entire right, title, and interest in and to the invention and the application; and

WHEREAS, NCR Financial Solutions Group Limited and NCR Corporation have authorized and requested my/our executing the application; and

NOW, THEREFORE, to all whom it may concern be it known that we, the inventor(s), confirm the ownership by NCR Financial Solutions Group Limited of the invention and the application by operation of law under the United Kingdom Patents Act 1977 and if, under the law of the United States, or any other countries in the world, we the inventor(s) have any ownership right, title, and interest in the invention and the application (which we do not believe to be the case and claim no ownership right, title, or interest in the invention and the application based on the law of the United Kingdom), in consideration of the sum of One Dollar (\$1.00) and of other valuable considerations, the receipt of which is hereby acknowledged, we, the inventor(s), nevertheless hereby assign and transfer such ownership right, title, and interest in and to the invention and application to NCR Financial Solutions Group Limited, its successors and assigns. NCR Financial Solutions Group Limited in turn hereby assigns and transfers to NCR Corporation, its successors and assigns, the entire right, title, and interest in and to the invention and the application (including any right to claim priority under the International Convention), and in and to any divisions, continuations, reissues, and extensions thereof.

PATENT REEL: 019707 FRAME: 0492 FURTHER, we, the inventor(s), and NCR Financial Solutions Group Limited hereby authorize and request any Letters Patent arising therefrom in the United States of America be issued to NCR Corporation, its successors and assigns.

FURTHER, we, the inventor(s), agree that we will communicate to NCR Corporation, or its representatives, any facts known to myself/us respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitution, renewal, and reissue applications, execute all necessary assignment papers to cause any Letters Patent arising therefrom in the United States of America to be issued to NCR Corporation, make all rightful oaths and generally to do everything possible to aid NCR Corporation, its successors and assigns, to obtain and enforce protection for the invention in the United States of America and in any other countries in the world.

FURTHER, it-is-hereby declared that the transaction hereby effected does not form part of a larger transaction or of a series of transactions in respect of which the amount or value or the aggregate amount or value, of the consideration exceeds £60,000 (Sterling).

Signed	at	Dundee, this 23rd day of July, 20	007.
		Warble.	
		Chao He	
Signed	at	Dundee, this 23rd day of JULY, 20	007.
		Jones A Ross	
		Qary A. Ross	
Signed	at	Dayton, Ohio USA, this 30th day of July, 2	007.
-		Dyl 1. Fuk	
		Douglas S. Foote	
		Chief Patent Counsel	
		NCR Financial Solutions Group Limited	
Signed	at	Dayton, Ohio USA, this start day of start	2007.
		Douglas S. Foote	
		Chief Patent Counsel	
		NCR Corporation	

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RECORDED: 08/02/2007