FORM PT 3-1595 (Rev. 6-93) F ! 0 - 06 - 20	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
To the Commissioner of Paterus and 102567531 shed original documents or copy thereof.	
Name of conveying party(ies): Michael Chause Larry L. Tarbura Susan Jamie	2. Name and address of receiving party(ies):
Michael Chaves, Larry L. Terhune, Susan Jamie Borofsky, and Jason A. Stone	NCR Corporation Law Department
9-23.03	1700 South Patterson Blvd. Dayton, Ohio 45479-0001
Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No	
Nature of conveyance:	
☐ Security Agreement ☐ Change of Name	
Other	
Execution Date: September 16, 2003	Additional name(s) & address(es) attached?
4. Application number(s) or patent number(s): 10668838 NCR Docket Number 11347	
If this document is being filed together with a new application, the execution date of the application is: September 16,	
A. Patent Application No.(s)	B. Patent No.(s)
 Additional numbers attached?	
Name and address of party to whom correspondence concerning document should be mailed:	Total number of applications and patents involved:
Name: James M. Stover	7. Total fee (37 CFR 3.41): \$40
Address: NCR Corporation	
Law Department 1700 South Patterson Blvd	☐ Enclosed
Dayton, Ohio 45479-0001	Authorized to be charged to Deposit Account
	9. Donosit Account No.
VAC /2007 STBH14 - 0000020 F01/77 - 10//0020	8. Deposit Account No.:
0/06/2003 GTDN11 00000039 501673 10668838 L FC:8021 40.00 DA	50-1673 of NCR Corporation
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9. Statement and signature: To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document	
James M. Stover Ser. 21 233	
Name of Person Signing Signature Date Total number of pages including cover sheet, attachments, and document: 3	
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PATENT

REEL: 014544 FRAME: 0678

ASSIGNMENT OF UNITED STATES PATENT APPLICATION

WHEREAS, we, MICHAEL CHAVES, LARRY L. TERHUNE, SUSAN JAMIE BOROFSKY and JASON A. STONE, of Cary, NC, Apex, NC, Cary, NC and Holly Springs, NC, respectively, have invented certain new and useful improvements in SEARCH QUERY GENERATION, Docket No. 11347, for which we have executed an application for Letters Patent of the United States on same date herewith, respectively; and

WHEREAS, NCR Corporation, a corporation of the State of Maryland, having its principal place of business in Dayton, Ohio, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefor in the United States and any and all foreign countries;

NOW, THEREFORE, be it known that in consideration of the sum of One Dollar (\$1.00) and of other valuable considerations, the receipt of which is hereby acknowledged, we do hereby sell, assign and transfer unto said NCR Corporation, its successors and assigns, the entire right, title and interest in and to the invention and improvements in any form or embodiment thereof, disclosed and claimed in said application, or which are disclosed and may be claimed; also the entire right, title and interest in and to any Letters Patent to be granted in the United States and its territorial possessions and in any and all foreign countries upon said invention in any form or upon any such improvements thereon, and in and to any and all divisions, reissues, continuations and extensions thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue any Letters Patent on said application to the said NCR Corporation, of Maryland, its successors and assigns.

Further, we agree that we will communicate to said NCR Corporation, or its representatives, any facts known to us respecting said 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 and all of said Letters Patent to be issued to said NCR Corporation, make all rightful oaths and generally to do everything possible to aid said NCR Corporation, its successors and assigns, to obtain and enforce protection for said invention in the United States and in any and all foreign countries.

IN TESTIMONY WHEREOF, I have hereunto set my hand this day of September, 2003.

Michael Chaves

RECORDED: 09/23/2003

PATENT REEL: 014544 FRAME: 0679