

06-01-1998

FORM PTO-1595  
(Rev. 6-93)  
OMB No. 0651-0011 (exp. 4/94)  
NCR Docket: 7536



100723991

SHEET

U.S. DEPARTMENT OF COMMERCE  
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To the Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Chi Kim Hoang

*MRD*  
*5-5-98*

2. Name and address of receiving party(ies):

NCR Corporation  
101 West Schantz Avenue  
Dayton, Ohio 45479-0001

U.S. PTO  
09/073113  
05/05/98

Additional name(s) of conveying party(ies) attached?  Yes  No

Additional name(s) & address(es) attached?  Yes  No

3. Nature of conveyance:

- Assignment
- Security Agreement
- Other:
- Merger
- Change of Name

Execution Date: April 29, 1998

4. Application number(s) or patent number(s):

*09/073,113*

If this document is being filed together with a new application, the execution date of the application is: April 29, 1998

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: James M. Stover, Esq.  
Address: NCR Corporation  
101 West Schantz Avenue, ECD-2  
Dayton, Ohio 45479-0001

6. Total number of applications and patents involved: One

7. Total fee (37 CFR 3.41): \$40.00

Authorized to be charged to deposit account number: 14-0225

8. Please charge any additional fees or credit any overpayments to NCR Corporation deposit account number: 14-0225.

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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.

George H. Gates

Name of Person Signing

Signature

May 5, 1998

Date

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PATENT  
REEL: 9193 FRAME: 0942

## ASSIGNMENT OF UNITED STATES PATENT APPLICATION

WHEREAS, I, **CHI KIM HOANG**, residing at 3191 Greer Road, Palo Alto, California 94303, have invented certain new and useful improvements in **A JOIN INDEX FOR RELATIONAL DATABASES**, Docket No. 7536, for which I 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, I 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 I 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, I agree that I will communicate to said NCR Corporation, or its representatives, any facts known to me 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 <sup>29</sup>~~28~~ day of April, 1998.

Chi Kim Hoang  
Chi Kim Hoang