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U.S. DEPARTMENT OF COMMERCE  
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To the Honorable Commissioner of Patents

100792335

Attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Ralph N. Crabtree  
Jianzhong Huang  
Junhoy KimAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

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

Name: NCR CorporationInternal Address: Law DepartmentStreet Address: 1700 S. Patterson Blvd.City: Dayton State: OH ZIP: 45479-0001Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other \_\_\_\_\_Execution Date: July 15, 1998

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

Docket No. 7408.10

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

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: W. MartinInternal Address: Law Department, ECD-2Street Address: 101 W. Schantz AvenueCity: Dayton State: OH ZIP: 45479-0001

## 6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41).....\$ 40.00☐ Enclosed☒ Authorized to be charged to deposit account

## 8. Deposit account number:

14-0225

(Attach duplicate copy of this page if paying by deposit account)

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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.*Paul W. Martin

Name of Person Signing

Signature

7/30/98

Date

Total number of pages including cover sheet, attachments, and document:

4

## ASSIGNMENT OF UNITED STATES PATENT APPLICATION

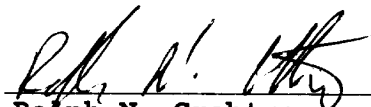
WHEREAS, we, **Ralph N. Crabtree** of Atlanta, Georgia;  
**Jianzhong Huang** of Snellville, Georgia; and **Junhoy Kim**, of  
Tucker, Georgia, have invented certain new and useful  
improvements in a **METHOD AND APPARATUS FOR DETECTING MOVEMENT  
PATTERNS AT A SELF-SERVICE CHECKOUT TERMINAL**, Docket No. 7408.10,  
for which we have filed an application for Letters Patent of the  
United States, having Serial No. 09/020,322, filed on February 6,  
1998; 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 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.

Signed at 3:20, this 15<sup>th</sup> day of July, 1998.

  
Ralph N. Crabtree

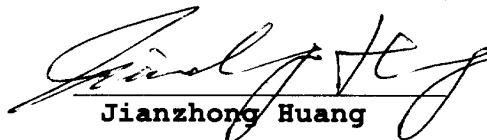
STATE OF GEORGIA )  
COUNTY OF DEKALB ) ss:

On this 15<sup>th</sup> day of July, 1998, before me personally appeared **Ralph N. Crabtree**, to me personally known and known to be the person who signed the foregoing assignment, and acknowledged the signing thereof as his free act and deed.

(SEAL)

  
Notary Public  
My Commission Expires  
August 7, 2001

Signed at 3:25  
15th, this 15th day of July,  
1998.

  
Jianzhong Huang

STATE OF GEORGIA )  
COUNTY OF DEKALB ) ss:

On this 15th day of July, 1998, before me  
personally appeared **Jianzhong Huang**, to me personally known and  
known to be the person who signed the foregoing assignment, and  
acknowledged the signing thereof as his free act and deed.

(SEAL)

  
Notary Public  
My Commission Expires  
August 7, 2001


Signed at 3:25, this 15th day of July,  
1998.

  
Junhoy Kim

STATE OF GEORGIA )  
COUNTY OF DEKALB ) ss:

On this 15th day of July, 1998, before me  
personally appeared **Junhoy Kim**, to me personally known and known  
to be the person who signed the foregoing assignment, and  
acknowledged the signing thereof as his free act and deed.

(SEAL)

  
Notary Public  
My Commission Expires  
August 7, 2001