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PATENT ASSIGNMENT COVER SHEET

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NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MATTHEW A MCLAUGHLIN	09/20/2007

RECEIVING PARTY DATA

Name:	NCR CORPORATION	
Street Address:	1700 S. PATTERSON	
City:	DAYTON	
State/Country:	OHIO	
Postal Code:	45479	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11834411

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NAME OF SUBMITTER:	KIMBERLIE PATES
SIGNATURE:	/Kimberlie Pates/
DATE SIGNED:	08/12/2016

Total Attachments: 3

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PATENT 503957912 REEL: 039415 FRAME: 0172

RECORDATION FORM COVER SHEET PATENTS ONLY

Atty Ref/Docket No.: 4587.030US1 Patent and Trademark Office To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): Name: NCR Corporation Matthew A. McLaughlin Street Address: 1700 S. Patterson Additional name(s) of conveying party(ies) attached? City: Dayton State: OH Zip: 45479 []Yes [X]No Country: United States of America 3. Nature of conveyance: Additional name(s) & address(es) attached? []Yes [X]No [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other Execution Date: September 20, 2007 4. Application number(s) or patent number(s): 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) Serial No. 11/834,411 Additional numbers attached? []Yes [X]No 6. Total number of applications and patents involved: 1 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41):\$ 0.00 Name: Joseph P. Mehrle []Enclosed []Authorized to be charged to deposit account 19-0743 Address: Schwegman Lundberg & Woessner, P.A. 8. Please charge any additional fees or credit any over P.O. Box 2938 payments to our Deposit Account No.: 19-0743 Minneapolis, MN 55402--0938 DO NOT USE THIS SPACE 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. August 12, 2016 Joseph P. Mehrle/Reg. No. 45,535 Name of Person Signing Signature Date Total number of pages including cover sheet: 3

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

Commissioner of Patents and Trademarks Mail Stop Assignment Recordation Services P.O. Box 1450 Alexandria, VA 22313-1450

> PATENT REEL: 039415 FRAME: 0173

ASSIGNMENT OF UNITED STATES PATENT APPLICATION

WHEREAS, we, MARK E. KEETON, YAOPING TAN, MATTHEW A. MCLAUGHLIN, JEFFERY S. DENTON, TIMOTHY W. RAWLINGS, RICHARD D. PUCKETT and PAUL C. BLANK, of Kettering, OH, Lebanon, OH, Franklin, OH, Springboro, OH, Waynesville, OH, Miamisburg, OH and LaCrosse, WI, respectively, have invented certain new and useful improvements in TWO-SIDED THERMAL MEDIA, Docket No. 13516.00 C02, for which we have filed an application for Letters Patent of the United States on August 6, 2007, Serial Number 11/834,411; 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.

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	Jeffery S. Denton
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	Timothy W. Rawlings
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	Richard D. Puckett
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	Paul C. Blank

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