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Assignment Vierger	State: Texas
	Country: USA Zip: 75201
IT Other	Additional name(s) & address(es) attached? Yes No
Execution Date: May 2, 2006	
	4(b) Patent No.(8):
4(a). Patent Application No.(s). 60/657,142 11/362,343	
	1. Jian
☐ This document is being filed together with a new	application.
	nbers attached? Tyes MNc
Additional min	index attacked 2
1	6. Total number of applications and patents involved: 2
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ASSIGNMENT

WHEREAS, we, Randall Lee Mueller, a citizen of the United States of America, residing at 8830 N. Farley Avenue, Kansas City, Missouri 64157; Thomas Edwin Schaadt, a citizen of the United States of America, residing at 671 Glacier Pass, Westerville, Ohio 43081; V. Srinivas Nori, a citizen of the United States of America, residing at 5928 Rotondo Place, Norcross, Georgia 30093; Steven Q. Purser, a citizen of the United States of America, residing at 608 Mossycup Oak Drive, Plano, Texas 75025; Pablo Gonzalez, a citizen of the United States of America, residing at 10636 FM 1641, Forney, Texas 75126; Bruce D. Herring, a citizen of the United States of America, residing at 1009 NE 188th Street, Smithville, Missouri 64089; and James A. Blake, a citizen of the United States of America, residing at 3920 Miller Drive, Brunswick, Ohio 44212, have invented certain inventions and improvements disclosed in a provisional patent application entitled "Check Processing Using Substitute Check Images," filed in the United States Patent and Trademark Office on February 28, 2005 and assigned U.S. Provisional Patent Application No. 60/657,142; and in a non-provisional patent application entitled 'Expanded Mass Data Sets for Electronic Check Processing," filed in the United States Patent and Trademark Office on February 22, 2006 and assigned U.S. Patent Application No. 11/362,343 (hereinafter collectively referred to as the "Applications"); and

WHEREAS, Federal Reserve Bank of Dallas, a federally-chartered corporation, having a principal place of business at 2200 North Pearl Street, Dallas, Texas 75201, United States of America, is desirous of acquiring an interest in the same.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which we hereby acknowledge, we, Steven Q. Purser and Pablo Gonzalez, do sell, assign, and transfer unto Federal Reserve Bank of Dallas the full, exclusive, and entire right, and interest in and to the Applications, in and to any non-provisionals, divisions, title, and reissues thereof, and in and to all inventions and improvements disclosed and

PATENT REEL: 0178<u>19 FRAME: 0337</u>-

U.S. Patent Application No. 11/362,343

described in the Applications, preparatory to obtaining Letters Patent of the United States therefor, and we hereby request the Director of the U.S. Patent and Trademark Office to issue any and all Letters Patent of the United States resulting from the Applications, or from a non-array provisional, division, continuation, or reissue thereof, to Federal Reserve Bank of Dallas as the provisional, division, continuation, or reissue thereof, to Federal Reserve Bank of Dallas and assignee, for its interest and for the sole use and benefit of Federal Reserve Bank of Dallas and its assigns and legal representatives;

Reserve Bank of Dallas the full, exclusive, and entire right, title, and interest in and to any foreign application or applications corresponding to the Applications, in whole or in part, in countries other than the United States, in and to any Letters Patent and similar protective rights granted on said foreign applications, and in and to the right to claim any applicable priority rights arising from or required for said foreign applications under the terms of any applicable conventions, treaties, statutes, or regulations; said foreign applications to be filed and issued in the name of Federal Reserve Bank of Dallas or its designee insofar as permitted by applicable law;

AND, for the same consideration, we agree to sign all lawful papers, execute all non-provisional, division, continuation, reissue, and other applications, make all assignments and rightful oaths, and generally do everything possible to aid Federal Reserve Bank of Dallas, its successors, assigns, and nominees to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

U.S. Patent Application No. 11/362,343

Before me, a Notary Public in and for the State of Texas, on this & day of

, 2006, personally appeared Steven Q. Purser, who, being duly sworn, signed and

acknowledged the foregoing Assignment as his free act and deed.

MARGIE R. FVANS lotary Public, State of Tuxas My Commission Expires L) April 25, 2007

NOTARY PUBLIC

My Commission Expires: Att 05, 2009

U.S. Patent Application No. 11/362,343

Before me, a Notary Public in and for the State of Texas, on this <u>a</u> day of __, 2006, personally appeared Pablo Gonzalez, who, being duly sworn, signed and

acknowledged the foregoing Assignment as his free act and deed.

Notary Public, State of Texas My Commission Expires (SEAp)II 25, 2009

NOTARY PUBLIC

My Commission Expires: Optil 85, 2009

K&S Docket No.: 08898,105020