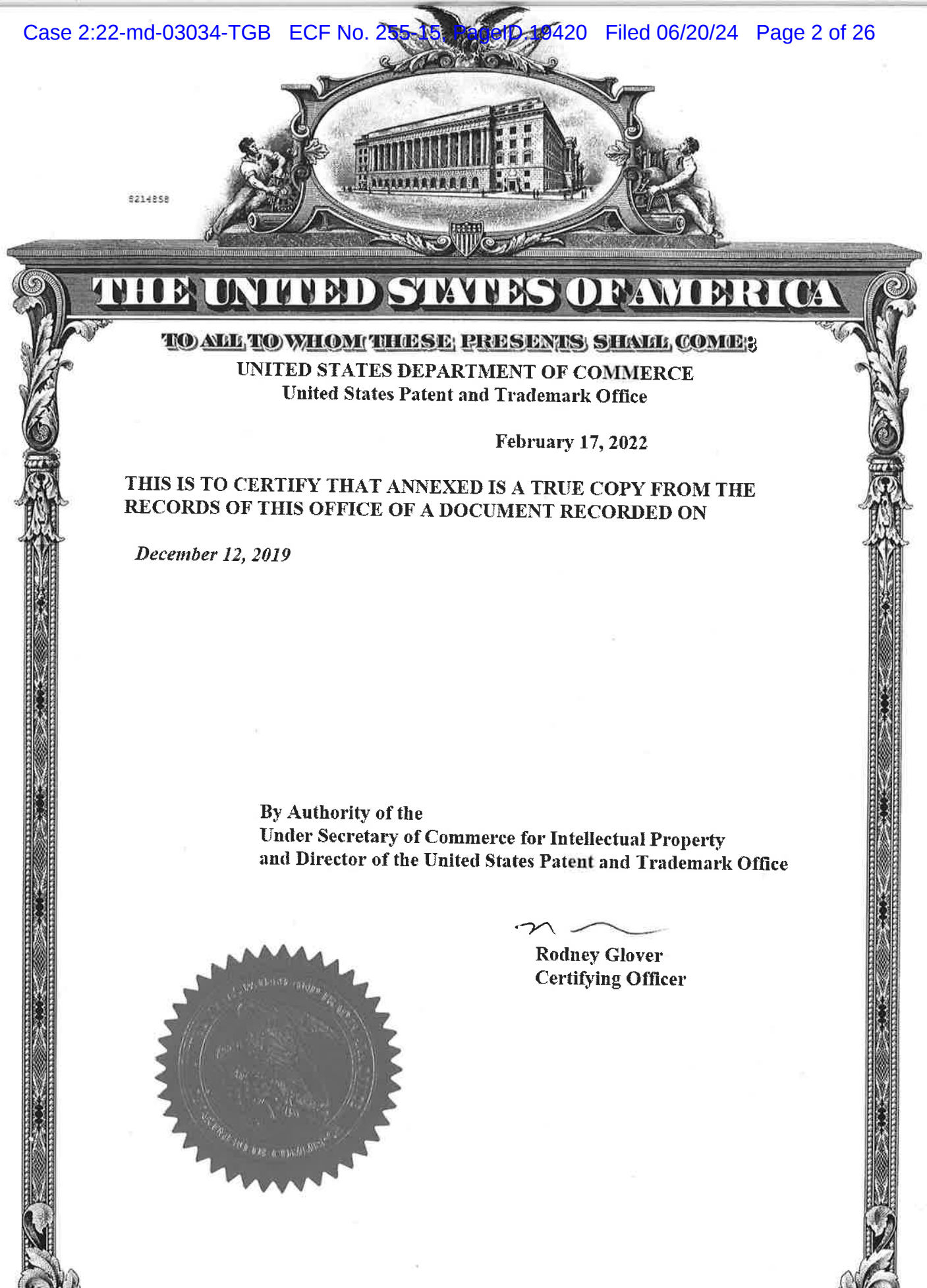


# *Exhibit V*



## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5863528

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
XIAODONG LI	04/08/2005
TITUS LO	04/08/2005
HAIMING HUANG	04/08/2005
KEMIN LI	04/08/2005
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	WALTICAL SOLUTIONS, INC.
<b>Street Address:</b>	1750 112TH AVENUE NE
<b>Internal Address:</b>	SUITE D159
<b>City:</b>	BELLEVUE
<b>State/Country:</b>	WASHINGTON
<b>Postal Code:</b>	98004
<b>PROPERTY NUMBERS Total: 6</b>	
<b>Property Type</b>	<b>Number</b>
Patent Number:	8027367
Application Number:	13246677
Patent Number:	9301296
Patent Number:	10075941
Application Number:	16126896
Application Number:	60544521
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(704)378-2057
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	7043312359
<b>Email:</b>	iplaw@mvalaw.com, cindigraser@mvalaw.com
<b>Correspondent Name:</b>	MOORE & VAN ALLEN PLLC
<b>Address Line 1:</b>	100 NORTH TRYON STREET
<b>Address Line 2:</b>	SUITE 4700
<b>Address Line 4:</b>	CHARLOTTE, NORTH CAROLINA 28202
<b>ATTORNEY DOCKET NUMBER:</b>	045057.000010

505816698

**PATENT**  
**REEL: 051261 FRAME: 0382**

NAME OF SUBMITTER:	PETER B. STEWART
SIGNATURE:	/Peter B. Stewart/
DATE SIGNED:	12/12/2019

**Total Attachments: 22**

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**PATENT**  
**REEL: 051261 FRAME: 0383**

**ASSIGNMENT BY INVENTORS**

This Assignment is by Xiaodong Li; Titus Lo; Haiming Huang; and Kemin Li (the "Assignors"), residing at 9919 129th PL NE, Kirkland, Washington 98033; 10501 181st Ave. NE, Redmond, Washington 98052; 605 141st CT SE #D203, Bellevue, Washington 98007; and 4228 144th LN SE, Bellevue, 98006, respectively. The Assignors have invented one or more certain inventions (the "Invention(s)") described in a Patent application for Letters Patent of the United States entitled METHODS AND APPARATUS FOR MULTI-CARRIER COMMUNICATION SYSTEMS WITH ADAPTIVE TRANSMISSION AND FEEDBACK (the "Application"), executed concurrently herewith and naming the Assignors as inventors. The Assignors authorize the Assignee, identified below, or its representatives to insert the application number of the Application US05/04601 when known.

Waltical Solution, Inc. (formerly Walbell Technologies, Inc.), a corporation of Washington having its principal place of business at Suite D159, 1750 112th Ave. NE, Bellevue, Washington 98004 ("Assignee"), desires to acquire the entire right, title and interest in and to the Invention(s) and the Application, and in and to any patents (collectively, "Patents") that may be granted for the Invention(s) in the United States or in any foreign countries.

For valuable consideration, the receipt and sufficiency of which Assignors acknowledge, Assignors hereby sell, assign, and transfer to Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to: the Invention(s), the Application, and any Patents; any divisions, continuations, and continuations-in-part of the Application and any other application claiming priority rights from the Application; any reissues, reexaminations, or extensions of any and all Patents; the right to file foreign applications directly in the name of Assignee; and the right to claim priority rights deriving from the Application (collectively, the "Rights"). Assignors warrant that Assignors own the Rights, and that the Rights are unencumbered. Assignors also agree to not sign any writing or do any act conflicting

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