PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3624714

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
THOMAS P. DALY	11/19/2015

RECEIVING PARTY DATA

Name:	TPAT IP LLC	
Street Address:	2225 W. HARRISON ST.	
Internal Address:	SUITE H	
City:	CHICAGO	
State/Country:	ILLINOIS	
Postal Code:	60612	

PROPERTY NUMBERS Total: 21

Property Type	Number
Patent Number:	7655819
Patent Number:	7439376
Patent Number:	8742151
Patent Number:	8901332
Patent Number:	7193101
Patent Number:	7635791
Patent Number:	7851652
Patent Number:	7939659
Patent Number:	8034951
Patent Number:	8334402
Patent Number:	8519141
Patent Number:	8822728
Patent Number:	9090638
Application Number:	14558122
Application Number:	14695926
Application Number:	14810106
Application Number:	14808389
Application Number:	62094741
Application Number:	62107857

PATENT REEL: 037094 FRAME: 0016

503578086

Property Type	Number
Application Number:	62247029
Application Number:	62256202

CORRESPONDENCE DATA

Fax Number: (630)428-0104

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.

Phone: 708 528-9092

Email: patentlawyer@ieee.org
Correspondent Name: CLIFFORD H. KRAFT
Address Line 1: 320 ROBIN HILL DR.

Address Line 4: NAPERVILLE, ILLINOIS 60540

NAME OF SUBMITTER: CLIFFORD H. KRAFT

SIGNATURE: /clifford kraft/

DATE SIGNED: 11/19/2015

Total Attachments: 2

source=assign_tpat#page1.tif source=assign_tpat#page2.tif

> PATENT REEL: 037094 FRAME: 0017

ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS: Thomas P. Daly

hereinafter referred to as the ASSIGNOR, owns rights as an inventor in certain Letters Patent of the United States and certain filed patent applications for Letters Patent of the United States and wishes to vest these rights in said patents and applications in:

TPAT IP LLC 2225 W. Harrison St. Suite H Chicago IL 60612 USA

hereinafter referred to as ASSIGNEE.

The following patents and patent applications are being assigned:

United States Letters Patent:

7,655,819 7,439,376 8,742,151 8,901,332 7,193,101 7,635,791 7,851,652 7,939,659 8,034,951 8,334,402 8,519,141 8,822,728 9,090,638

United States Patent Applications:

14/558,122 filed 12/2/2014 14/695,926 filed 4/24/2015 14/810,106 filed 7/27/2015 14/808,389 filed 7/24/2015 62/094,741 filed 12/19/2014 62/107,857 filed 1/26/2015 62/247,029 filed 10/27/2015 62/256,202 filed 11/17/2015

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that for valuable consideration resulting from the employment, ownership, or contract of the ASSIGNOR by ASSIGNEE, the ASSIGNOR hereby sells, assigns, and transfers to the ASSIGNEE the full and exclusive right, title, and interest to said invention, patent application and all Letters Patent of the United States to be obtained therefrom and any continuation, division, continuation-in-part, renewal, substitute, re-examination, or reissue application or patent therefrom for the full term or terms for which the same may be granted. The ASSIGNOR further conveys to ASSIGNEE all priority rights in all countries, and under the Patent Convention Treaty and the Paris Convention, resulting from the above-identified application for Letters Patent of the United States. The ASSIGNOR agrees to execute all

PATENT REEL: 037094 FRAME: 0018 and perform any other lawful acts, at the ASSIGNEE'S expense, as the ASSIGNEE may require to enable the ASSIGNEE to perfect the ASSIGNEE'S interest in any resulting patent of the United States and in countries foreign thereto which may be necessary or desirable to carry out the purposes hereof.

The ASSIGNOR further sells, assigns, conveys and transfers to the ASSIGNEE all rights to any and all accrued past damages and to any future damages caused by infringement of the above-named patent or any patent resulting from the above-named patent application by any party anywhere, known or unknown to the ASSIGNOR, either at the time of this conveyance or at any future time.

IN TESTIMONY WHEREOF the ASSIGNOR hereby sets his hand:

_ Signature of the Assignor Date: Nov. 19, 2015

Thomas P. Daly

PATENT REEL: 037094 FRAME: 0019

RECORDED: 11/19/2015