## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT6040956

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
PRERIT PRAMOD	03/24/2020
RAKESH MITRA	03/25/2020
DARREN QU	03/24/2020
SUBHRA PAUL	03/26/2020
JULIE A. KLEINAU	03/30/2020

#### RECEIVING PARTY DATA

Name:	STEERING SOLUTIONS IP HOLDING CORPORATION
Street Address:	3900 HOLLAND RD.
City:	SAGINAW
State/Country:	MICHIGAN
Postal Code:	48601

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16836822

### **CORRESPONDENCE DATA**

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**DICKINSON WRIGHT PLLC Correspondent Name:** Address Line 1: 2600 W. BIG BEAVER RD.

Address Line 2: SUITE 300

Address Line 4: TROY, MICHIGAN 48084-3312

Tatal Attaches 5	
DATE SIGNED:	03/31/2020
SIGNATURE:	/Joseph J. Pytel/
NAME OF SUBMITTER:	JOSEPH J. PYTEL
ATTORNEY DOCKET NUMBER:	88610-03819 (N001016US)

Total Attachments: 5

**PATENT REEL: 052278 FRAME: 0553** 

505994246



PATENT REEL: 052278 FRAME: 0554 **DOCKET NO.:** 88610-3819 (N001016 US)

### **ASSIGNMENT**

WHEREAS, We, **Prerit Pramod**, residing at 3246 Churchhill Ln., Apt. 2, Saginaw, MI 48603, **Rakesh Mitra**, residing at 3580 N. Doncaster Ct., Apt. V09, Saginaw, MI 48603, **Darren Qu**, residing at 6230 Fox Glen Dr., Apt. 145, Saginaw, MI 48638, **Subhra Paul**, residing at 5875 Weiss St., Apt. A 12, Saginaw, MI 48603 and **Julie A. Kleinau**, residing at 3233 Old Kawkawlin Rd., Bay City, MI 48706, respectively ("Assignors"), have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled **DETECTION OF UNBALANCED PHASE RESISTANCES IN SYNCHRONOUS MOTOR DRIVES**, for which an application for a United States Letters Patent was filed on March 31, 2020 having Serial No. 16/836,822

AND WHEREAS, **STEERING SOLUTIONS IP HOLDING CORPORATION**, a corporation organized under the laws of the State of Delaware, USA, and having a place of business at 3900 Holland Rd., Saginaw, MI 48601 ("Assignee") is desirous of acquiring the entire right, title and interest in and to said invention and in any and all Letters Patent of the United States and foreign countries which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, Assignors do hereby sell, assign, transfer and set over unto Assignee, its legal representatives, successors, and assigns, the entire right, title and interest in and to the Invention as set forth in the above-mentioned application, including the right of priority and including any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for the Invention;

UPON SAID CONSIDERATIONS, Assignors hereby agree with the Assignee that Assignors will not execute any writing or do any act whatsoever conflicting with these presents, and that Assignors will, at any time upon request, without further or additional consideration but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on the Invention, and in enforcing any rights in any action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of Assignor and Assignee;

AND Assignors request the Commissioner for Patents and Trademarks to issue any Letters Patent of the United States which may be issued for the Invention to the Assignee, its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the Invention covered thereby.

Signature:	Previt	Date:	24MAR2020
-	PRERIT PRAMOD		
Signature:		Date:	
	RAKESH MITRA		
Signature:		Date:	
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# **ASSIGNMENT**

Rakesh Mi 6230 Fox O Saginaw, M respectively United Stat SYNCHRO	itra, residing at 3580 N. Donca ilen Dr., Apt. 145, Saginaw, M II 48603 and Julie A. Kleinau y ("Assignors"), have made a c es Letters Patent, entitled <b>DET</b>	I, residing at 3246 Churchhill Ln., Apt. 2, Saginaw, MI 48603, uster Ct., Apt. V09, Saginaw, MI 48603, <b>Darren Qu</b> , residing at II 48638, <b>Subhra Paul</b> , residing at 5875 Weiss St., Apt. A 12, residing at 3233 Old Kawkawlin Rd., Bay City, MI 48706, ertain new and useful invention as set forth in an application for TECTION OF UNBALANCED PHASE RESISTANCES IN for which an application for a United States Letters Patent was
organized u Rd., Sagina	under the laws of the State of D nw, MI 48601 ("Assignee") is c ion and in any and all Letters P	SOLUTIONS IP HOLDING CORPORATION, a corporation relaware, USA, and having a place of business at 3900 Holland desirous of acquiring the entire right, title and interest in and to ratent of the United States and foreign countries which may be
which is he legal repres forth in the continuation	reby acknowledged, Assignors sentatives, successors, and assign above-mentioned application, ns-in-part, divisions, reissues,	and valuable consideration, the receipt for and sufficiency of do hereby sell, assign, transfer and set over unto Assignee, its gas, the entire right, title and interest in and to the Invention as set including the right of priority and including any continuations, re-examinations or extensions thereof, and in and to any and all puntries which may be issued for the Invention;
not execute any time up execute suc deem neces assistance i reexamined the Invention by giving to executing p	any writing or do any act what con request, without further or the additional assignments and constructions or desirable to perfect the making application for and of a reissued, or extended Letters on, and in enforcing any rights estimony in any proceedings of preliminary statements and other	NS, Assignors hereby agree with the Assignee that Assignors will tsoever conflicting with these presents, and that Assignors will, at additional consideration but at the expense of the Assignee, other writings and do such additional acts as the Assignee may Assignee's enjoyment of this grant, and render all necessary braining original, divisional, continuations, continuations-in-part, Patent of the United States or of any and all foreign countries on in any action accruing as a result of such applications or patents, transactions involving such applications or patents, and by a raffidavits, it being understood that the foregoing covenant and efit of the assigns and legal representatives of Assignor and
of the Unite successors	ed States which may be issued	missioner for Patents and Trademarks to issue any Letters Patent for the Invention to the Assignee, its legal representatives, f the entire right, title and interest in and to said patent and the
Signature:	PRERIT PRAMOD	Date:
Signature:	Rmitra	Date: 03/25/2020
	RAKESH MITRA	
Signature:		Date:
	DARREN QU	

# **ASSIGNMENT**

Rakesh Mit. 6230 Fox Gl Saginaw, MI respectively United States SYNCHRO	ra, residing at 358 en Dr., Apt. 145, 48603 and Julie ("Assignors"), has Letters Patent, e NOUS MOTOR	30 N. Doncaster C Saginaw, MI 4863 A. Kleinau, resid ve made a certain ntitled DETECTI	t., Apt. V09, Sagi 18, Subhra Paul, 18, Subhra Paul, 19, Saginary Saginary 19, Sagi	naw, MI 48603, residing at 5875 awkawlin Rd., B wention as set fo ANCED PHASI	e, Saginaw, MI 48603,  Darren Qu, residing at Weiss St., Apt. A 12, Bay City, MI 48706, In thin an application for E RESISTANCES IN These Letters Patent was
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which is here legal represe forth in the a continuation	eby acknowledged ntatives, successo bove-mentioned a s-in-part, division	d, Assignors do he ors, and assigns, that application, include	reby sell, assign, to e entire right, title ing the right of prominations or exter	transfer and set of and interest in a iority and includusions thereof, ar	r and sufficiency of wer unto Assignee, its nd to the Invention as set ing any continuations, id in and to any and all ention;
not execute a any time upo execute such deem necess assistance in reexamined, the Inventior by giving tes executing pro	any writing or do on request, without additional assign ary or desirable to making application; and in enforcing timony in any problem and yet the statement of the statement and the statement in the statement i	any act whatsoever the further or addition the ments and other was perfect the Assign on for and obtaining any rights in any occedings or transports and other afficients.	r conflicting with onal consideration rritings and do suc nee's enjoyment of ng original, division of the United State action accruing a actions involving a lavits, it being unc	these presents, a but at the expen- ch additional acts of this grant, and onal, continuation ites or of any and is a result of such such applications derstood that the	ignee that Assignors will and that Assignors will, at see of the Assignee, as the Assignee may render all necessary ns, continuations-in-part, all foreign countries on applications or patents, sor patents, and by foregoing covenant and res of Assignor and
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Signature	RAKESH MIT	RA	***************************************	LJatu.	
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signature: _	DARREN QU			Date:	3/24/2020

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**DOCKET NO.:** 88610-3819 (N001016 US)

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PATENT REEL: 052278 FRAME: 0559