505442368 04/24/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MICHAEL RIETDORF	05/10/2018
CHARLES F. LONG	05/10/2018

RECEIVING PARTY DATA

Name:	ALLISON TRANSMISSION, INC.	
Street Address:	ONE ALLISON WAY	
City:	INDIANAPOLIS	
State/Country:	INDIANA	
Postal Code:	46222	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16392140

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	ER: ALL33-40320	
NAME OF SUBMITTER:	TIANA L. POWELL	
SIGNATURE:	/Tiana L. Powell/	
DATE SIGNED: 04/24/2019		
	This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 2

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PATENT 505442368 REEL: 048977 FRAME: 0251

DECLARATION AND ASSIGNMENT

DUAL CLUTCH CONTROL SYSTEM FOR INTEGRAL TORQUE CONVERTER AND RETARDER AND METHOD THEREOF

Application Number: 62/661,692 Filing Date: 04/24/2018

DECLARATION

As a below named inventor, I hereby declare that:

- (1) The above-identified application was made or authorized to be made by me;
- (2) I believe that I am the original inventor or an original joint inventor of a claimed invention in the application;
- (3) I acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both;
- (4) I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above; and
- (5) I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

ASSIGNMENT

For good and valuable consideration the receipt and sufficiency of which is hereby acknowledged, I, as a below named inventor, hereby irrevocably assign all right, title, and interest in any invention in the above-identified application and improvements thereof (the "Invention") to Allison Transmission, Inc. (the "Assignee") and hereby confirm any prior assignment (whether in writing or by operation of law) to Assignee.

I acknowledge that the above assignment includes, but is not limited to, worldwide rights to patents and registrations (e.g., design, invention, plant, utility, and utility model), copyrights, and similar industrial property rights relating to the Invention. Further, I acknowledge that said assignment includes without limitation any right of priority and any right to bring proceedings and obtain remedies for infringement, including for acts committed before or after the date of this assignment.

I acknowledge that the assigned rights hereunder shall include without limitation any applications, registrations, and proceedings of the above (e.g., continuations, continuations-in-part, divisionals, derivations, extensions, non-provisionals, oppositions, provisionals, reissues, reexaminations, renewals, reviews, revivals, substitutes, and supplemental examination) relating to the Invention.

ADMINISTRATION

I, as a below named inventor, agree to cooperate with Assignee as reasonably necessary to obtain, maintain, and enforce any assigned rights, including executing documents and providing evidence, without additional compensation. I hereby covenant that I have not entered into, nor will I enter into, any agreement that conflicts with this assignment. Additionally, I hereby authorize any patent office in the world to issue any letters patent based on the assigned rights to the Assignee and authorize Assignee to modify this document with further identification of the Invention (e.g., application number and filing date) as Assignee deems expedient in order to record this document.

I declare and agree to all provisions of this writing by signing below.

[Signature page to follow]

PATENT REEL: 048977 FRAME: 0252 Declaration and Assignment Attorney Docket No. ALL33-40211 AT-101230-ROI Page 2 of 2

Michael Rietdorf	<u>5/10/18</u> at <u>//////A//APOUS</u> . <u>//</u> Date City State
State of/ndiana) County of/Aarcock) Sworn to before me this/O th day of	Notary Public SEAL: Donno L. Reed Notary Public - Indiana County of Honcock My Comm. Expires: Dec. 16, 2024
Charles F. Long	<u>05-10-7018_{at} /NDMNAPOUS</u> , / <u>N</u> Date City State
State of /Rdiaka) County of <u>Hancock</u>) Sworn to before me this /Ola day of May ,2018.	Notary Public SEAL:
	Donna L. Reed Notary Public - Indiana County of Hancock My Comm. Expires: Dec. 16, 2024

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PATENT REEL: 048977 FRAME: 0253

RECORDED: 04/24/2019