505701141 10/01/2019

EPAS ID: PAT5747951

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JEFFREY E. SHULTZ	08/15/2019
BRUNO RE	09/30/2019
SCOTT KLUEMPER	09/18/2019

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:	16589567

CORRESPONDENCE DATA

Fax Number: (317)713-3699

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: 317-242-3546

Email: Taft-IP-Docket@taftlaw.com **Correspondent Name:** ALLISON TRANSMISSION, INC.

Address Line 1: ONE ALLISON WAY

Address Line 4: INDIANAPOLIS, INDIANA 46222

ATTORNEY DOCKET NUMBER:	ALL33-40336
NAME OF SUBMITTER:	TIANA L. POWELL
SIGNATURE:	/Tiana L. Powell/
DATE SIGNED:	10/01/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 4

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> **PATENT REEL: 050586 FRAME: 0310**

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PATENT REEL: 050586 FRAME: 0311 Declaration and Assignment Attorney Docket No. ALL33-40336 AT-P18010-US Page 1 of 2

DECLARATION AND ASSIGNMENT

TRANSMISSION CONTROL SYSTEMS TO ADJUST CLUTCH PRESSURE AND TORQUE BASED ON GRADE

Application Number: TBD Filing Date: TBI

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]

Declaration and Assignment Attorney Docket No. ALL33-40336 AT-P18010-US Page 2 of 2

Jeffred E. Shultz	8/15/19 Date	_ at <u>Indi</u>	<u> ႔း p ေါ .s</u> , City	T~State
State of	Notary Public SEAL:	Cocopo Goran	KRISTA S CO totary Public, State Hancack Co Commission # My Commission December 0	e of Indiana ounty 676100 Expires
Bruno Re	Date	at	City	State
State of) County of) Sworn to before me this day of,2019.	Notary Public SEAL:			
Scott Kluemper	Date	at	City	State
State of) County of) Sworn to before me this day of,2019.	Notary Public SEAL:		TOTAL STREET,	

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Declaration and Assignment Attorney Docket No. ALL33-40336 AT-P18010-US Page 2 of 2

	Date at		·
Jeffrey E. Shultz	Date	City	State
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Sworn to before me this day of2019.	SEAL:		
N_/ N	9 /30/2019 at .	TORINO	ITAL)
Bruno Re	Date	City	State
The signature of the above inventor is witnessed by HANG ALVARO Witness printed name	y two non-inventors or not Witness signature		30/2019 8/219
SITTONA PILONE	-	2/0	9/248
Witness printed name	Witness signature	Dat	e
Scott Kluemper	at -	City	State
State of	Notary Public		
Sworn to before me thisday of2019.	SEAL:		

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Declaration and Assignment Attorney Docket No. ALL33-40336 AT-P18010-US Page 2 of 2

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Jeffrey E. Shultz	Date		City	State
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of,2019.				
Bruno Re	Date	at	City	State
State of) County of) Sworn to before me this day of,2019.	Notary Public SEAL:			
Scott Kluemper	9/18/19 Dyte	at <u>Indid</u>	inapolis. City	
State of Sideala) County of Marion) Sworn to before me this 18 th day of Signature 2019.	Shusy Notary Public SEAL:			lk
25706762.1		Johnson Coun Commission	YNN LUPINETT! Public – Seal ty – State of Indiana Number 703403 Expires Sep 21, 2025	7

PATENT REEL: 050586 FRAME: 0315

RECORDED: 10/01/2019