505796026 11/27/2019 PATENT ASSIGNMENT COVER SHEET

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	SUBMISSION TYPE:		NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY	DATA				
		Name		Execution Date	
ELIZABETH P. DICK				11/26/2019	
BRYAN H. HAGELSK	AMP			11/26/2019	
RECEIVING PARTY I					
Name:		ON TRANSMISSION, INC.			
Street Address:					
City:		NAPOLIS			
State/Country:		NA			
Postal Code:	46222				
PROPERTY NUMBEI	RS Total: 1	1			
Property Type		Number			
Application Number:	:	16698309			
CORRESPONDENCE	DATA				
Fax Number:		(317)237-1000			
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Fax Number: <i>Correspondence will</i> <i>using a fax number,</i> Phone: Email: Correspondent Name Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET	l be sent to if provided e: NUMBER:	o the e-mail address first; if that d; if that is unsuccessful, it will b 3172370300 inteas@faegrebd.com FAEGRE BAKER DANIELS 300 NORTH MERIDIAN STREET SUITE 2500 INDIANAPOLIS, INDIANA 46204			
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ASSIGNMENT OF INVENTION

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned,

Name(s) of Invento

nventors	Elizabeth P. Dick
	Bryan H. Hagelskamp

inventor(s) of inventions which are the subject of applications for Letters Patents of the United States (herewith "Patent Rights") entitled:

Title of

Patents/Applications	POWER OFF HYDRAULIC DEFAULT STRATEGY FOR 9-SPEED TRANSMISSION			
Patent/Application Information	for which an application for a United States Patent was filed on; and; and			
Name of	the undersigned hereby sell(s), assign(s), and set(s) over to:			
Assignee	Allison Transmission, Inc.			
Address of	One Allison Way			
principal place of business	Indianapolis, Indiana 46222			
Insert State and	n of - Fislowara			

Country of a corporation of _____ Delaware_____ Incorporation

(hereinafter designated as the Assignee) their entire right, title and interest in, to and under the Patent Rights, including all priority rights for the United States and any other countries arising therefrom, including but not limited to all countries available through the Patent Cooperation Treaty (PCT), all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries, which may be granted for such inventions, or any of them, any divisional, continuation, continuation-in-part, or reissue applications corresponding to the Patent Rights or such Letters Patent, and any reexamination of the Patent Rights, and any foreign patents or patent applications corresponding thereto, all such inventions and all rights in such Patent Rights and Letters Patent to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by them had this assignment and sale not been made.

The undersigned agree(s) to execute all papers necessary in connection with the Patent Rights in the United States and foreign countries and any continuing, divisional, or reissue applications thereof, and any reexamination of any of such applications, and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared or litigation concerning the Patent Rights or continuation, division, reissue or reexamination thereof, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such Interference or litigation.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

US.125563612.01

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PATENT REEL: 051132 FRAME: 0075

The undersigned agree(s) to do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States and in all other countries where Assignee may desire to have such inventions, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said Patent Rights or any division or continuing or reissue applications thereof, and any reexamination of any of such applications, to the said Assignee, as Assignee of the entire interest, and hereby covenants that the undersigned has full right to convey the interest herein assigned, and that the undersigned has not executed, and will not execute, any agreement in conflict herewith,

The undersigned hereby grant(s) the attorney of record the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, I have executed this assignment at this <u>26</u> day of <u>Moventhen</u>. 2019.

> Inventor 1: Full Name: Address:

Citizenship:

Elizabeth P. Dick 7005 Goat Hollow Road Mooresville, IN 46151 United States

Inventor I (Signature)

STATE OF Indiana COUNTY OF Maria)SS:

Acknowledged before me, a Notary Public, within and for said County and State. Witness my hand and Notarial Seal this 24 day of Merkel, 2019.

My Commission Expires:	12/16/24
Resident of Harcock	County.

Notary Public

Printed Name

Donna L. Reed Notary Public - Indiana County of Hancock My Comm. Expires: Dec. 16, 2024



IN WITNESS WHEREOF, I have executed this assignment at this 26^{22} day of <u>704 ender</u>. 2019.

Inventor 2: Full Name: Bryan H. Hagelskamp Address: 12965 Cantigny Way Carmel, IN 46033 Citizenship: United States-Inventor 2 (Signature)

STATE OF MAIAAA)88: COUNTY OF Marion

Acknowledged before me, a Notary Public, within and for said County and State. Witness my hand and Notarial Seal this 26th day of Movember, 2019.

My Commission Expires: Dec. 16, 2024 Resident of Hancock County.

Notary Public

Printed Name

Donna L. Reed Notary Public - Indiana County of Hancock My Comm. Expires: Dec. 16, 2024

US.125563612.01

RECORDED: 11/27/2019