FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

l	OMB APPROVAL							
	OMB Number:	3235-0287						
	Estimated average burd	en						
l	hours per response:	0.5						

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b)

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934

			or Section 30(ff) or the investment Company Act of 1940						
Tuttle Laurie B.  (Last) (First) (Middle)			2. Issuer Name and Ticker or Trading Symbol     Allison Transmission Holdings Inc [ ALSN ]      3. Date of Earliest Transaction (Month/Day/Year)     09/13/2012	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner X Officer (give title Other (specify below)  VP, Hybrid Programs					
(Street) INDIANAF	POLIS IN (State)	46222 (Zip)	4. If Amendment, Date of Original Filed (Month/Day/Year)	G. Individual or Joint/Group Filing (Check Applicable Line)     X Form filed by One Reporting Person     Form filed by More than One Reporting Person					
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned									

## 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5) 1. Title of Security (Instr. 3) 2. Transaction 2A. Deemed 3. Transaction Code (Instr. 5. Amount of 6. Ownership 7. Nature Form: Direct (D) or Indirect of Indirect Beneficial Execution Date, (Month/Day/Year) if any (Month/Day/Year) Beneficially 8) Owned Following (I) (Instr. 4) Ownership (Instr. 4) (A) or (D) Transaction(s) ν Price Code Amount (Instr. 3 and 4) 09/13/2012 Common Stock M 48,090 \$8.44 53,791 D Α Common Stock 09/13/2012 М 66,736 Α \$12.66 120,527 D Common Stock 09/13/2012 M 59,528 A \$16.88 180,055 D S<sup>(1)</sup> \$19.5802(2) Common Stock 09/13/2012 174,354 D 5,701 D Common Stock 09/14/2012 M 20,300 A \$16.88 26,001 D 09/14/2012 S<sup>(1)</sup> 20,300 D \$19.8966(3) 5,701 D Common Stock

## Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transa Code ( 8)				6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Employee Stock Option (right to buy)	\$8.44	09/13/2012		M			48,090	(4)	09/30/2017	Common Stock	48,090	\$0	146,160	D	
Employee Stock Option (right to buy)	\$12.66	09/13/2012		М			66,736	(4)	09/30/2017	Common Stock	66,736	\$0	266,944	D	
Employee Stock Option (right to buy)	\$16.88	09/13/2012		М			59,528	(4)	09/30/2017	Common Stock	59,528	\$0	339,613	D	
Employee Stock Option (right to buy)	\$16.88	09/14/2012		M			20,300	(4)	09/30/2017	Common Stock	20,300	\$0	319,313	D	

## **Explanation of Responses:**

- $1. \ The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on August 30, 2012.$
- 2. The price reported is a weighted average price. These shares were sold in multiple transactions at per share prices ranging from \$19.4400 to \$19.9100. The reporting person undertakes to provide the Company, any security holder of the Company or the staff of the SEC, upon request, full information regarding the number of shares sold at each separate price within the range set forth in this footnote.
- 3. The price reported is a weighted average price. These shares were sold in multiple transactions at per share prices ranging from \$19.7500 to \$19.9900. The reporting person undertakes to provide the Company, any security holder of the Company or the staff of the SEC, upon request, full information regarding the number of shares sold at each separate price within the range set forth in this footnote.
- 4. The option vested in five equal annual installments beginning on August 7, 2008.

/s/ Eric C. Scroggins, attorneyin-fact

09/17/2012

\*\* Signature of Reporting Person

Date

- $^{\star}$  If the form is filed by more than one reporting person, see Instruction 4 (b)(v).
- \*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.