FORM 3

## **UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

## INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

OMB APP	ROVAL						
OMB Number: 3235-010							
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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

BABB RALPH W JR (Month)			2. Date of Event Requiring Staten Month/Day/Year 03/15/2010	nent	3. Issuer Name and Ticker or Trading Symbol TEXAS INSTRUMENTS INC [ TXN ]							
(Last) (First) (Middle) 12500 TI BOULEVARD			33,13,2313		Relationship of Reporting Per (Check all applicable)     X Director     Officer (give title below)		son(s) to Issuer  10% Owner  Other (specify below)		5. If Amendment, Date of Original Filed (Month/Day/Year)      6. Individual or Joint/Group Filing (Check Applicable Line)			
(Street) DALLAS (City)	TX (State)	75243 (Zip)				ŕ	ŕ		X Form filed by One Reporting Person Form filed by More than One Reporting Person			
		7	able I - Non	-Derivati	ive S	ecurities Beneficiall	y Owned					
1. Title of Security (Instr. 4)						int of Securities ially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)		re of Indirect Beneficial Ownership 5)			
Common Stock												
Common Stoo	·k					0	D					
Common Stoo	k	(e.				0 urities Beneficially options, convertible	Owned	s)				
	k ative Security (I	-		s, warra isable and ite	nts, c	urities Beneficially	Owned securities	4. Conver or Exer Price o	cise	5. Ownership Form: Direct (D)	6. Nature of Indirect Beneficial Ownership (Instr. 5)	

Explanation of Responses:

/s/ Cynthia H. Grimm, Attorney In Fact 03/15/2010

\*\* Signature of Reporting Person

Date

 $Reminder: Report \ on \ a \ separate \ line \ for \ each \ class \ of \ securities \ beneficially \ owned \ directly \ or \ indirectly.$ 

- $^{\star}$  If the form is filed by more than one reporting person, see Instruction 5 (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.

## Authorization

I hereby authorize Joseph F. Hubach, Cynthia H. Grimm, Daniel M. Drory, Jane S. Nahra, and Suzanne A. Thomas or any one of them to sign and file on my behalf any and all forms required by the Securities and Exchange Commission pursuant to Section 16 of the Securities Exchange Act of 1934 (the "Exchange Act") relating to the reporting of beneficial ownership of equity securities of Texas Instruments Incorporated (the "Company"), and of changes in such beneficial ownership, as well as any and all representation letters that may be required in connection with sales by you of equity securities of the Company, together with any and all amendments to the foregoing. This authorization shall be effective on and after the date set forth below and shall continue in effect until I am no longer required to file such forms and letters, unless earlier revoked by me in writing.

I acknowledge that the persons authorized hereunder are not assuming, nor is the Company assuming any of my responsibilities to comply with Section 16 of the Exchange Act and other relevant securities laws.

Dated as of the 9th day of March 2010.

/s/ Ralph W. Babb, Jr.