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Form 4 August 04, 20									
FORM Check this	4 UNITED S	 UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549 STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 20(b) of the Investment Company Act of 1940 							PPROVAL 3235-0287 January 31,
if no long subject to Section 16 Form 4 or Form 5 obligation may conti <i>See</i> Instru- 1(b).	er STATEM 5. Filed purs ¹⁸ Section 17(a								Expires: 2005 Estimated average burden hours per response 0.5
(Print or Type R	esponses)								
1. Name and Ad Dallas H Jan	ddress of Reporting F nes	Symbol	Name and			g	5. Relationship of Issuer		
(Mo			3. Date of Earliest Transaction (Month/Day/Year) 08/02/2010				(Check all applicable) <u>Director</u> 10% Owner Officer (give title Other (specify below) SrVP Quality, Operations, IT		
			nendment, Date Original onth/Day/Year)				6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person		
MINNEAPC	DLIS, MN 55432						Form filed by M Person	Iore than One Re	eporting
(City)	(State) (Zip) Tabl	e I - Non-D	erivative S	Securi	ties Ac	quired, Disposed of	f, or Beneficial	ly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactic Code (Instr. 8) Code V	4. Securit onAcquired Disposed (Instr. 3, Amount	(A) o of (D)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	
Common Stock (1)	08/02/2010		A <u>(2)</u>	8,900	А	\$0	106,938.492	D	

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

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 control number.

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

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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. Transactio Code (Instr. 8)	5. Number of orDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount Underlying Securitie (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amou or Numb of Sha
Employee Stock Option (right to buy)	\$ 37.53	08/02/2010		А	35,492	08/02/2011 <u>(3)</u>	08/02/2020	Common Stock	35,4

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
Dallas H James 710 MEDTRONIC PKWY MS LC300 MINNEAPOLIS, MN 55432			SrVP Quality, Operations, IT				
Signatures							

Signatur

Rhonda L. Ingalsbe, Attorney-in-fact

**Signature of Reporting Person

08/04/2010

Date

Explanation of Responses:

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).

- (1) This balance increased 695.917 due to exempt transactions such as ESPP, dividend reinvestment, and dividend equivalent credits.
- The restrictions on these restricted stock units shall lapse on the third anniversary of the grant date if the company's cumulative diluted earnings per share growth during the 36 month period ending on the last day of the Company's fiscal year 2013 equals or exceeds a 5% (2) compound annual growth rate, as determined by the Compensation Committee.
- (3) These options become exercisable at the rate of 25% of the shares granted per year beginning on the first anniversary of grant.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.