CERNER CORP /MO/

Form 4

September 14, 2010

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB APPROVAL OMB

3235-0287 Number:

January 31, Expires: 2005

10% Owner

Estimated average burden hours per response... 0.5

if no longer subject to Section 16. Form 4 or

Check this box

SECURITIES Form 5 Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue.

30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading PATTERSON NEAL L Issuer Symbol CERNER CORP /MO/ [CERN] (Last) (First)

(Check all applicable) (Middle) 3. Date of Earliest Transaction

(Month/Day/Year) 2800 ROCKCREEK PARKWAY 09/10/2010

Other (specify _X__ Officer (give title below) Chairman, CEO & President

X Director

Person

(Street) 4. If Amendment, Date Original Filed(Month/Day/Year)

Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting

6. Individual or Joint/Group Filing(Check

NORTH KANSAS CITY, MO 64117

(City)	(State)	(Zip) Tab	le I - Non-l	Derivative	Secu	rities Acq	quired, Disposed	of, or Benefic	ially Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securi on(A) or D (Instr. 3,	ispose 4 and (A)	d of (D)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common	09/10/2010		Code V	Amount 2,873	or (D)	Price \$	(Instr. 3 and 4) 11,000	I	by Spouse
Stock Common Stock	09/07/2010		G(1) V	4,000	D	79.49 \$ 0	4,216,270	D	• •
Common Stock							828,673	I	by Spouse as sole Trustee of Irrevocable Trust for children

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Common Stock	52,998	I	by 401(k) Plan
Common Stock	180,269	I	by Grantor Retained Annuity Trust
Common Stock	1,036,530	I	by Revocable Trust
Common Stock	89,500	I	by Charitable Remainder Trust
Common Stock	28,100	I	by Trust as Co-Trustee

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.

SEC 1474 (9-02)

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. Transaction Code (Instr. 8)	5. onNumber of Derivative 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 of Underlying Securities (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount Number Shares
Non-Qualified Stock Option (right to buy)	\$ 40.22					03/14/2013	03/14/2018	Common Stock	72,00
Non-Qualified Stock Option (right to buy)	\$ 36.72					03/06/2011	03/06/2019	Common Stock	70,00
Non-Qualified Stock Option (right to buy)	\$ 85.2					03/12/2012	03/12/2015	Common Stock	60,00

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Non-Quallified Stock Option (right to buy)	\$ 14.8125	06/28/2005	06/28/2020	Common Stock	590,00
Non-Quallified Stock Option (right to buy)	\$ 21.645	06/14/2006	06/14/2011	Common Stock	75,00
Non-Quallified Stock Option (right to buy)	\$ 23.115	04/05/2007	04/05/2012	Common Stock	50,00
Non-Quallified Stock Option (right to buy)	\$ 11.295	06/12/2008	06/12/2013	Common Stock	50,00
Non-Quallified Stock Option (right to buy)	\$ 20.99	06/03/2009	06/03/2014	Common Stock	60,00
Non-Quallified Stock Option (right to buy)	\$ 31.405	06/03/2010	06/03/2015	Common Stock	80,00
Non-Quallified Stock Option (right to buy)	\$ 41.125	09/16/2010	09/16/2015	Common Stock	84,00
Non-Quallified Stock Option (right to buy)	\$ 43.51	03/09/2011	03/09/2016	Common Stock	100,00
Non-Quallified Stock Option (right to buy)	\$ 53.81	03/09/2012	03/09/2017	Common Stock	80,00
Variable Prepaid Forward Contract	<u>(2)</u>	(2)	(2)	Common Stock	500,00

Reporting Owners

Reporting Owner Name / Address	Relationships						
FB	Director	10% Owner	Officer	Other			
PATTERSON NEAL L 2800 ROCKCREEK PARKWAY NORTH KANSAS CITY, MO 64117	X		Chairman, CEO & President				
Signatures							
/s/Crystal Spoor, by Power of Attorney	09/	14/2010					
**Signature of Reporting Person		Date					

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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) Represents transactions that are exempt under Section 16(b) and are not reportable until a Form 5 is filed at the end of the year, however the reporting person has elected to report them on this Form 4.
- (2) Information disclosed as part of Form 4 filing on 11/9/2009.

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.