CERNER CORP /MO/

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Section 16.

subject to

Form 4

August 26, 2008

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB

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Form 4 or Form 5 obligations may continue.

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

30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

See Instruction

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] (Check all applicable) (First) (Middle) (Last) 3. Date of Earliest Transaction (Month/Day/Year) _X__ Director 10% Owner X_ Officer (give title Other (specify 2800 ROCKCREEK PARKWAY 08/22/2008 below) Chairman and CEO (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting **NORTH KANSAS** Person

CITY, MO 64117

| (City) | (State) | (Zip) Tabl | le I - Non-l | Derivative | Secu | rities Acq | uired, Disposed o | 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. Transacti Code (Instr. 8) | 4. Securi on(A) or D (Instr. 3, | ispose 4 and (A) or | ed of (D) 15) | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
| Common Stock | 08/22/2008 | | S | 5,000 | D | \$ 47.41 (1) (2) | 5,637,549 | D | |
| Common Stock | | | | | | | 6,800 | I | by Spouse |
| Common Stock | | | | | | | 884,802.416 | I | by Trust |

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)

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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. Transactic Code (Instr. 8) | 5. conNumber 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 | 0 |
| 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 |

Chairman and CEO

Non-Quallified Stock Option \$ 53.81 (right to buy)

03/09/2012 03/09/2017

Common Stock

80,00

Reporting Owners

Relationships Reporting Owner Name / Address Director 10% Owner Officer Other

PATTERSON NEAL L

X

2800 ROCKCREEK PARKWAY NORTH KANSAS CITY, MO 64117

Signatures

/s/Mary Blair, by Power of 08/26/2008 Attorney

**Signature of Reporting Person 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).
- Price reflects a weighted-average sale price for the transaction. Sale of shares took place at actual prices ranging from \$47.25 to \$47.50 **(1)** per share.
- Full information regarding the number of shares purchased or sold at each separate price shall be provided upon request by the Commission staff, Cerner Corporation, or a Cerner Corporation shareholder.

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.

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