

ALIAS PATRICK  
Form 4  
December 17, 2009

**FORM 4**

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

OMB APPROVAL

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

**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 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
ALIAS PATRICK

(Last) (First) (Middle)  
ONE VISION DRIVE  
(Street)  
NATICK, MA 01760  
(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
COGNEX CORP [CGNX]

3. Date of Earliest Transaction  
(Month/Day/Year)  
12/15/2009

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director  10% Owner  
 Officer (give title below)  Other (specify below)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 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**

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. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	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 Ownership Indirect Beneficial Ownership (Instr. 4)
				(A) or (D)	Code V Amount (D) Price		

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	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Underlying Security (Instr. 3 and 4)
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Derivative Security	(Instr. 3, 4, and 5)			Date Exercisable	Expiration Date	Title
	Code	V	(A) (D)			
Non-Qualified Stock Option (right to buy)	\$ 7.5	12/14/1993	A V 400,000	12/16/1997	12/14/2008	Common Stock
Non-Qualified Stock Option (right to buy)	\$ 15.719	06/03/1998	A V 150,000	04/21/2000	06/03/2008	Common Stock
Non-Qualified Stock Option (right to buy)	\$ 16	12/15/1998	A V 12,000	12/15/1999	12/15/2008	Common Stock
Non-Qualified Stock Option (right to buy)	\$ 25.02	12/15/2009	D	7,500	01/01/2009 01/10/2015	Common Stock
Non-Qualified Stock Option (right to buy)	\$ 28.954	04/27/1999	A V 15,200	04/27/2003	04/27/2014	Common Stock
Non-Qualified Stock Option (right to buy)	\$ 28.954	12/15/2009	D	15,200	04/27/2004 04/27/2014	Common Stock
Non-Qualified Stock Option (right to buy)	\$ 29.38	12/15/2009	D	7,500	12/15/2009 01/30/2016	Common Stock
Non-Qualified Stock Option (right to buy)	\$ 32.975	12/15/2009	D	3,333	01/01/2005 04/22/2014	Common Stock

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
ALIAS PATRICK ONE VISION DRIVE NATICK, MA 01760	X			

## Signatures

Patrick Alias 12/17/2009

\*\*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).

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

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