

CPI INTERNATIONAL, INC.

Reported by
COLEMAN DON

FORM 4

(Statement of Changes in Beneficial Ownership)

Filed 02/05/10 for the Period Ending 02/04/10

Address	811 HANSEN WAY PO BOX 51110 PALO ALTO, CA 94303-1110
Telephone	650-846-2900
CIK	0001279176
Symbol	CPII
SIC Code	3670 - Electronic Components And Accessories
Industry	Electronic Instr. & Controls
Sector	Technology
Fiscal Year	09/30

FORM 4

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

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

OMB APPROVAL
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**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(f) of the
Investment Company Act of 1940

1. Name and Address of Reporting Person *			2. Issuer Name and Ticker or Trading Symbol			5. Relationship of Reporting Person(s) to Issuer (Check all applicable)		
COLEMAN DON			CPI INTERNATIONAL, INC.			_____ Director _____ 10% Owner		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (MM/DD/YYYY)			___ X ___ Officer (give title below) _____ Other (specify below)		
811 HANSEN WAY			2/4/2010			VICE PRESIDENT		
(Street)			4. If Amendment, Date Original Filed (MM/DD/YYYY)			6. Individual or Joint/Group Filing (Check Applicable Line)		
PALO ALTO, CA 94303						___ X ___ Form filed by One Reporting Person _____ Form filed by More than One Reporting Person		
(City)			(State)			(Zip)		

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Trans. Date	2A. Deemed Execution Date, if any	3. Trans. 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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock, par value \$0.01 per share	2/4/2010		M (1)		2400	A	\$74	10400 (2)	D	
Common Stock, par value \$0.01 per share	2/4/2010		S (3)		2400	D	\$11.13	8000 (2)	D	

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

1. Title of Derivate Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Trans. Date	3A. Deemed Execution Date, if any	4. Trans. Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (s) (Instr. 4)	10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Employee Stock Option (Right to Buy)	\$74	2/4/2010		M (1)		2400		(4)	7/1/2010	Common Stock, par value \$0.01 per share	2400	\$0	24840	D	

Explanation of Responses:

- (1) Represents cash exercise of stock options that were scheduled to expire by July 2010.
- (2) Includes 8,000 shares of restricted common stock granted under the issuer's 2006 Equity and Performance Incentive Plan.
- (3) The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan previously adopted by the reporting person.
- (4) 25% of these options were exercisable on July 1 of each of 2001, 2002, 2003 and 2004.

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
COLEMAN DON 811 HANSEN WAY			VICE PRESIDENT	

Signatures

/s/ Amanda Mogin, Attorney in Fact

2/5/2010

** Signature of Reporting Person

Date

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

* 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.

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.