Marples Paul Form 4 March 16, 2010

FORM 4

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

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Form 4 or Form 5 obligations may continue. See Instruction

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(b).

1. Name and Address of Reporting Person * Marples Paul

(Last) (First) (Middle)

C/O COSTAR GROUP, INC., 2 BETHESDA METRO CENTER, 10TH FLOOR

BETHESDA, MD 20814-5388

(Street)

2. Issuer Name and Ticker or Trading Symbol

COSTAR GROUP INC [CSGP]

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

03/12/2010

4. If Amendment, Date Original

Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

Director

X_ Officer (give title

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

5. Relationship of Reporting Person(s) to

(Check all applicable)

Managing Director, FOCUS

below)

Issuer

below)

(City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1.Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if (Instr. 3) (Month/Day/Year)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 3, 4 and 5) (Instr. 8)

5. Amount of Securities Beneficially (D) or Owned Following Reported

6. Ownership 7. Nature of Form: Direct Indirect Beneficial Indirect (I) Ownership (Instr. 4) (Instr. 4)

10% Owner

Other (specify

OMB APPROVAL

3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

response...

Estimated average

burden hours per

Common

per share

Stock, par value \$0.01

03/12/2010

Α 3,500

Code V Amount

Α

(A)

or

(D)

\$0 $24,818 \frac{(1)}{}$

Price

D

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

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Transaction(s)

(Instr. 3 and 4)

(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. Transaction Code (Instr. 8)	5. Number proof 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 or Number of Shares
Option to Acquire Common Stock	\$ 42.29	03/12/2010		A	7,700	(2)	03/11/2020	Common Stock	7,700

Reporting Owners

Reporting Owner Name / Address	Kelationsnips					
. 0	Director	10% Owner	Officer	Other		
Marples Paul C/O COSTAR GROUP, INC. 2 BETHESDA METRO CENTER, 10TH FLOOR BETHESDA, MD 20814-5388			Managing Director, FOCUS			

Signatures

/s/ Jonathan Coleman, Attorney-in-Fact 03/15/2010

**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).
- (1) Represents all shares of Common Stock owned, consisting of 15,984 shares of Common Stock and 8,834 shares of Common Stock subject to unvested Restricted Stock Grants.
- (2) The option vests in three equal installments on March 12, 2011, March 12, 2012, and March 12, 2013.

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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