

Marples Paul  
Form 4  
February 23, 2012

**FORM 4**

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

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

## OMB APPROVAL

OMB  
Number: 3235-0287  
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(Print or Type Responses)

1. Name and Address of Reporting Person \*  
Marples Paul

(Last) (First) (Middle)

C/O COSTAR GROUP, INC., 1331  
L STREET, NW

(Street)

WASHINGTON, DC 20005

(City) (State) (Zip)

2. Issuer Name **and** Ticker or Trading  
Symbol  
COSTAR GROUP INC [CSGP]

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

02/21/2012

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

5. Relationship of Reporting Person(s) to  
Issuer

(Check all applicable)

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

Managing Director, CoStar UK

6. Individual or Joint/Group Filing(Check  
Applicable Line)  
\_X\_ 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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount (A) or (D)	Price	
Common Stock, par value \$0.01 per share	02/21/2012		A		16,900 (1)	A \$ 0	33,173 (2) D

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  
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SEC 1474  
(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 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)	8. Title and Amount of Underlying Securities (Instr. 3 and 4)
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title
Option to Acquire Common Stock	\$ 58.95	02/21/2012		A	5,800	(3) 02/20/2022	Common Stock	5,800

## Reporting Owners

Reporting Owner Name / Address	Relationships
	Director 10% Owner Officer Other
Marples Paul C/O COSTAR GROUP, INC. 1331 L STREET, NW WASHINGTON, DC 20005	Managing Director, CoStar UK

## Signatures

/s/ Jonathan Coleman,  
Attorney-in-Fact 02/23/2012

\*\*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) Includes a grant of 4,100 shares of restricted common stock that vest in three equal installments on February 21, 2013, February 21, 2014, and February 21, 2015, and a grant of 12,800 shares of restricted common stock that vest upon CoStar Group, Inc.'s achievement of \$90 million of cumulative earnings before interest depreciation and amortization (EBITDA) over a period of four consecutive calendar quarters by March 31, 2017.
- (2) Represents all shares of common stock owned, consisting of 10,472 shares of Common Stock and 22,701 shares of Common Stock subject to unvested restricted common stock grants.
- (3) The option vests in three equal installments on February 21, 2013, February 21, 2014, and February 21, 2015.

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.