

Radecki Brian J
Form 4
March 16, 2010

FORM 4

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

(Print or Type Responses)

1. Name and Address of Reporting Person *
Radecki Brian J

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
C/O COSTAR GROUP, INC., 2
BETHESDA METRO CENTER,
10TH FLOOR

3. Date of Earliest Transaction
(Month/Day/Year)
03/12/2010

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
Chief Financial Officer

(Street)
BETHESDA, MD 20814-5388

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

6. Individual or Joint/Group Filing(Check Applicable Line)
 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. 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 (Instr. 4) |
|--|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|
| | | | Code | V | Amount | (A) or (D) | Price |
| Common Stock, par value \$0.01 per share | 03/12/2010 | | A | | 7,600 | A | \$ 0 |
| | | | | | 32,128 ⁽¹⁾ | D | |

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

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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) | Amount or Number of Shares |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|----------------------------|
| Option to Acquire Common Stock | \$ 42.29 | 03/12/2010 | | A | 16,900 | (2) 03/11/2020 | Common Stock | 16,900 |

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other

Radecki Brian J
C/O COSTAR GROUP, INC.
2 BETHESDA METRO CENTER, 10TH FLOOR
BETHESDA, MD 20814-5388

Chief Financial Officer

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).

- Represents all shares of Common Stock owned, consisting of 7,724 shares of Common Stock and 24,404 shares of Common Stock
- (1) subject to unvested Restricted Stock Grants. The shares of Common Stock owned and set out in this line item include a total of 847 shares purchased to date by the reporting person pursuant to bi-weekly purchases made under the Company's Employee Stock Purchase Plan.
 - (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.