Radecki Brian J Form 4 September 11, 2007

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB 3235-0287 Number:

January 31, Expires: 2005

OMB APPROVAL

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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 * Radecki Brian J

2. Issuer Name and Ticker or Trading Symbol COSTAR GROUP INC [CSGP] 5. Relationship of Reporting Person(s) to

Issuer

(Last)

(City)

(First) (Middle)

(Zip)

3. Date of Earliest Transaction

(Month/Day/Year)

09/07/2007

Director 10% Owner

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

Other (specify X_ Officer (give title below) Chief Financial Officer

(Check all applicable)

(Street)

(State)

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

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

BETHESDA, MD 20814-5388

	of from Derivative Securities frequired, Disposed of, of Beneficiary Symbol								
1.Title of	2. Transaction Date	2A. Deemed	3.	4. Securi	ties A	cquired	5. Amount of	6. Ownership	7. Nature of
Security	(Month/Day/Year)	Execution Date, if	Transactio	on(A) or Di	ispose	d of (D)	Securities	Form: Direct	Indirect
(Instr. 3)		any	Code	(Instr. 3,	4 and	5)	Beneficially	(D) or	Beneficial
		(Month/Day/Year)	(Instr. 8)				Owned	Indirect (I)	Ownership
							Following	(Instr. 4)	(Instr. 4)
							Reported		
					(A)		Transaction(s)		
					or		(Instr. 3 and 4)		
			Code V	Amount	(D)	Price	()		
Common	00/07/2007		г	107	_	\$	1.4.000 (1)	Ъ	
Stock	09/07/2007		F	107	D	51.71	14,099 <u>(1)</u>	D	
Brock						01.71			
Common	004000		_	0.0	_	\$	1 1 000 (2)	_	
Stock	09/10/2007		F	99	D	51 57	$14,000 \frac{(2)}{}$	D	
DIOCK						51.57			

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

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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	2. Conversion	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if	4. Transacti	5. orNumber	6. Date Exerc Expiration D		7. Title Amount		8. Price of Derivative	9. Nu Deriv
Security (Instr. 3)		or Exercise Price of Derivative Security	(Monas Day) Teal)	any (Month/Day/Year)	Code (Instr. 8)	of	(Month/Day/Year) ve s i		Underly Securiti	rlying	Security (Instr. 5)	Secur Bene Owne Follo Repo Trans (Instr
					Code V	(A) (D)	Date Exercisable	Expiration Date	Title N	Amount or Number of Shares		

Reporting Owners

Relationships Reporting Owner Name / Address

> Officer Other Director 10% Owner

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, 09/11/2007 Attorney-in-Fact

**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 2,549 shares of Common Stock and 11,550 shares of Common Stock **(1)** subject to unvested Restricted Stock Grants.
- Represents all shares of Common Stock owned, consisting of 2,690 shares of Common Stock and 11,310 shares of Common Stock subject to unvested Restricted Stock Grants.

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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