# TRAVELCENTERS OF AMERICA LLC Form SC 13G

February 11, 2010

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

SCHEDULE 13G

Under the Securities Exchange Act of 1934

	TRAVELCENTERS OF AMERICA	A LLC
(Name	of Issuer)	
	common shares	
(Title of Cla	ss of Securities)	
	894174101	
(CUSIP	Number) October 15, 2009	
(Date of Event Which R	equires Filing of this Sta	itement)
Check the appropriate box to designate Schedule is filed:	the rule pursuant to which	ch this
[X] Rule 13d-1(b)		
[_] Rule 13d-1(c)		
[_] Rule 13d-1(d)		
*The remainder of this cover page shal initial filing on this form with resp and for any subsequent amendment cont the disclosures provided in a prior c	ect to the subject class o aining information which w	of securities,
The information required in the remain deemed to be "filed" for the purpose o Act of 1934 ("Act") or otherwise subje of the Act but shall be subject to all see the Notes).	f Section 18 of the Securi ct to the liabilities of t	ties Exchange Lhat section
CUSIP NO. 894174101	 	  Page 2 of 8 Pages
(1) NAMES OF REPORTING PERSONS.  I.R.S. IDENTIFICATION NOS. OF A	BOVE PERSONS (entities onl	-y).
Renaissance Technologies LLC	26-0385758	
(2) CHECK THE APPROPRIATE BOX IF A ME  (a) [_]  (b) [_]	MBER OF A GROUP (SEE INSTF	RUCTIONS):

TIZENSHIP OR PLACE OF ORG  Delaware  JMBER OF SHARES ENEFICIALLY OWNED	IZATION  (5) SOLE VOTING POWER  971,300
UMBER OF SHARES ENEFICIALLY OWNED	
ENEFICIALLY OWNED	
ENEFICIALLY OWNED	971.300
	371 <b>7</b> 300
BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	(6)
	(6) SHARED VOTING POWER
	0
	(7) SOLE DISPOSITIVE POWER
	971,300
	(8) SHARED DISPOSITIVE POWER
	97,400
GGREGATE AMOUNT BENEFICIA	Y OWNED BY EACH REPORTING PERSON
1	68 <b>,</b> 700
HECK BOX IF THE AGGREGATE (SEE INSTRUCTIONS)	MOUNT IN ROW (9) EXCLUDES CERTAIN SHARES
	[_]
PE OF REPORTING PERSON ( IA	E INSTRUCTIONS)
	age 2 of 8 pages
NO. 894174101	13G Page 3 of 8 Pa
	OF ABOVE PERSONS (ENTITIES ONLY).
James H. Simons	
HECK THE APPROPRIATE BOX (a) [_] (b) [_]	A MEMBER OF A GROUP (SEE INSTRUCTIONS)
EC USE ONLY	
1 () () () () () () () () () () () () ()	1,0  EECK BOX IF THE AGGREGATE ALA  (SEE INSTRUCTIONS)  PERCENT OF CLASS REPRESENTE  6.4  CPE OF REPORTING PERSON (SE IA  P  NO. 894174101  AMES OF REPORTING PERSONS.  E.R.S. IDENTIFICATION NOS.  James H. Simons  HECK THE APPROPRIATE BOX IF  (a) [_]  (b) [_]

United States	
	(5) SOLE VOTING POWER
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	971,300
	(6) SHARED VOTING POWER
	0
	(7) SOLE DISPOSITIVE POWER
	971 <b>,</b> 300
	(8) SHARED DISPOSITIVE POWER
	97,400
(9) AGGREGATE AMOUNT BENEFICIALLY OWN:	ED BY EACH REPORTING PERSON
1,068,70	0
(10) CHECK BOX IF THE AGGREGATE AMOUNT	IN ROW (9) EXCLUDES CERTAIN SHARES
(SEE INSTRUCTIONS) [_]	
(11) PERCENT OF CLASS REPRESENTED BY	AMOUNT IN ROW (9)
6.41 %	
(12) TYPE OF REPORTING PERSON (SEE INSTITUTE IN	TRUCTIONS)
Page 3	of 8 pages
CUSIP NO. 894174101	13G Page 4 of 8 Page:
Item 1.	
(a) Name of Issuer	
TRAVELCENTERS OF AMERICA LLC	
(b) Address of Issuer's Principal	Executive Offices.
24601 Center Ridge Road, Suite	e 200, Westlake, OH 44145-5639
Item 2.	
(a) Name of Person Filing:	
This Schedule 13G is being fi ("RTC") and James H. Simons (	led by Renaissance Technologies LLC "Simons").

(b) Address of Principal Business Office or, if none, Residence.

The principal business address of the reporting persons is:

3

800 Third Avenue New York, New York 10022

(c) Citizenship.

Dr. Simons is a United States citizen and RTC is a Delaware limited liability company.

(d) Title of Class of Securities.

common share

(e) CUSIP Number.

894174101

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- Item 3. If this statement is filed pursuant to Rule 13d-1 (b) or 13-d-2 (b) or (c), check whether the person filing is a:
- (a) [\_] Broker or dealer registered under section 15 of the Act.
- (b) [\_] Bank as defined in section 3(a)(6) of the Act.
- (c) [\_] Insurance Company as defined in section 3(a)(19) of the Act.
- (d) [\_] Investment Company registered under section 8 of the Investment Company Act.
- (e) [x] Investment Adviser in accordance with Sec.240.13d-1(b)(1)(ii)(E).
- (f) [\_] Employee Benefit Plan or Endowment Fund in accordance with Sec. 240.13d-1(b)(1)(ii)(F).
- (g) [\_] Parent holding company, in accordance with Sec.240.13d-1(b)(1)(ii)(G).
- (h) [\_] A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act.
- (i) [\_] A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940.
- (j) [\_] Group, in accordance with Sec.240.13d-1(b)(1)(ii)(J).
- Item 4. Ownership.
  - (a) Amount beneficially owned.

RTC: 1,068,700 shares

Simons: 1,068,700 shares, comprising the shares beneficially owned by RTC, because of Dr. Simons' position as control person of RTC.

(b) Percent of Class.

RTC: 6.41 % Simons: 6.41 %

- (c) Number of shares as to which the person has:
  - (i) sole power to vote or to direct the vote:

RTC: 971,300 Simons: 971,300

(ii) Shared power to vote or to direct the vote: 0

(iii) sole power to dispose or to direct the disposition of:

RTC: 971,300 Simons: 971,300

(iv) Shared power to dispose or to direct the disposition of:

RTC: 97,400 Simons: 97,400

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Item 5. Ownership of Five Percent or Less of a Class.

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following: [\_]

Item 6. Ownership of More than Five Percent on Behalf of Another Person.

Certain funds and accounts managed by RTC have the right to receive dividends and proceeds from the sale of the securities which are the subject of this report.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company.

Not applicable

Item 8. Identification and Classification of Members of the Group.

Not applicable

Item 9. Notice of Dissolution of a Group.

Not applicable

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Item 10. Certification

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

\_\_\_\_\_\_

#### SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: February 11, 2010

James H. Simons

Renaissance Technologies LLC

By: Mark Silber
Executive Vice President

Attention: Intentional misstatements or omissions of fact constitute Federal criminal violations (See  $18\ U.S.C.\ 1001$ ).

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EXHIBIT 99.1

AGREEMENT REGARDING JOINT FILING

UNDER RULE 13D-1(K) OF THE EXCHANGE ACT

In accordance with Rule 13d-1(k) under the Securities Exchange Act of 1934, as amended, each of the undersigned agrees to the filing on behalf of each of a Statement on Schedule 13G, and all amendments thereto, with respect to the common shares of TRAVELCENTERS OF AMERICA LLC.

Date: February 11, 2010

James H. Simons

Renaissance Technologies LLC

By: Mark Silber
Executive Vice President

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