Allegiant Travel CO Form SC 13G/A February 11, 2016

(a) [_]

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

SCHEDULE 13G

Under the Securities Exchange Act of 1934 (Amendment No. 2)*

	Allegiant Travel	Company
4)	Name of Issuer)	
con	nmon stock	
(Title of	Class of Securities)	
	01748X102	
(CU	JSIP Number) December 31, 2015	
(Date of Event Whic	ch Requires Filing of t	his Statement)
Check the appropriate box to design Schedule is filed:	nate the rule pursuant	to which this
[X] Rule 13d-1(b)		
[_] Rule 13d-1(c)		
[_] Rule 13d-1(d)		
*The remainder of this cover page s initial filing on this form with r and for any subsequent amendment of the disclosures provided in a price	respect to the subject containing information	class of securities,
The information required in the remdeemed to be "filed" for the purpose Act of 1934 ("Act") or otherwise su of the Act but shall be subject to see the Notes).	se of Section 18 of the ubject to the liabiliti all other provisions o	e Securities Exchange es of that section of the Act (however,
CUSIP NO. 01748X102		Page 2 of 8 Pages
(1) NAMES OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. C		
Renaissance Technologies LLC	26-0385758	
(2) CHECK THE APPROPRIATE BOX IF A	A MEMBER OF A GROUP (SE	E INSTRUCTIONS):

	(b) [_]			
(3)	SEC USE ONLY			
(4)	CITIZENSHIP OR PLACE OF OR	RGANIZATION		
	Delaware 			
			(5)	SOLE VOTING POWER
	NUMBER OF SHARES BENEFICIALLY OWNED			1,256,735
	BY EACH REPORTING PERSON WITH:		(6)	SHARED VOTING POWER
			0	
		(7)	SOLE DISPOSITIVE POWER	
			1,260,921	
		(8)	SHARED DISPOSITIVE POWER	
				2,179
(9)	AGGREGATE AMOUNT BENEFIC	TALLY OWNED BY EAC	H RE	PORTING PERSON
(3)		1,263,100		TONITING TENDON
(10)	CHECK BOX IF THE AGGREGAT			XCLUDES CERTAIN SHARES
(10)	(SEE INSTRUCTIONS)	II IN NOW (J, L.	
(11)	PERCENT OF CLASS REPRESE	ENTED BY AMOUNT IN	ROW	(9)
		7.50 %		
(12)	TYPE OF REPORTING PERSON IA	(SEE INSTRUCTIONS)	
		Page 2 of 8 page		
====	=======================================	Page 3 of 8 page		
	IP NO. 01748X102	13G		Page 3 of 8 Page
	NAMES OF REPORTING PERSON	NS.		
	RENAISSANCE TECHNOLOGIES	HOLDINGS CORPORAT	ION	13-3127734
(2)	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS) (a) [_] (b) [_]			
(3)	SEC USE ONLY			

(4) C	ITIZENSHIP OR PLACE OF ORGANIZATION			
	Delaware			
		(5) SOLE VOTING POWER		
]	NUMBER OF SHARES BENEFICIALLY OWNED	1,256,735		
	BY EACH REPORTING PERSON WITH:	(6) SHARED VOTING POWER		
		0		
		(7) SOLE DISPOSITIVE POWER		
		1,260,921		
		(8) SHARED DISPOSITIVE POWER		
		2,179		
(9)	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EAC	CH REPORTING PERSON		
	1,263,100			
(10)	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW ((SEE INSTRUCTIONS) [_]	(9) EXCLUDES CERTAIN SHARES		
(11)	PERCENT OF CLASS REPRESENTED BY AMOUNT IN	ROW (9)		
	7.50 %			
(12)	TYPE OF REPORTING PERSON (SEE INSTRUCTIONS HC	5)		
	Page 3 of 8 pag	ges 		
CUSI	P NO. 01748X102 13G	Page 4 of 8 Page		
	a) Name of Issuer			
	Allegiant Travel Company			
(1	b) Address of Issuer's Principal Executive	e Offices.		
,	1201 North Town Center Drive, Las Vega			
Item :		,		
	a) Name of Person Filing:			
		anniggange Technologies IIC		
	This Schedule 13G is being filed by Re ("RTC") and Renaissance Technologies F			

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

The principal business address of the reporting persons is:

800 Third Avenue New York, New York 10022

(c) Citizenship.

RTC is a Delaware limited liability company, and RTHC is a Delaware corporation.

(d) Title of Class of Securities.

common stock

(e) CUSIP Number.

01748X102

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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: 1,263,100 shares

RTHC: 1,263,100 shares, comprising the shares beneficially owned by RTHC, because of RTHC's majority ownership of RTC.

(b) Percent of Class.

RTC: 7.50 % RTHC: 7.50 %

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

RTC: 1,256,735 RTHC: 1,256,735

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

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

RTC: 1,260,921 RTHC: 1,260,921

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

RTC: 2,179 RTHC: 2,179

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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, 2016

Renaissance Technologies LLC

By: Mark Silber

Executive Vice President

Renaissance Technologies Holdings Corporation

By: Mark Silber 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 shares of common stock of Allegiant Travel Company.

Date: February 11, 2016

Renaissance Technologies LLC

By: Mark Silber

Executive Vice President

Renaissance Technologies Holdings Corporation

By: Mark Silber Vice President

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