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

#### SCHEDULE 13G

Under the Securities Exchange Act of 1934

Momo Inc.					
(Name of Issuer)					
American depositary shares (each representing two Class A ordinary shares)					
(Title of Class of Securities)					
60879B107					
(CUSIP Number) October 9, 2018					
(Date of Event Which Requires Filing of this Statement)					

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- [X] Rule 13d-1(b)
- [\_] Rule 13d-1(c)
- [\_] Rule 13d-1(d)

\*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

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CUSI	P NO. 60879B107	13G	Page 2 of 8 Pages		
(1)	NAMES OF REPORTING PER I.R.S. IDENTIFICATION	SONS. NOS. OF ABOVE PERSONS (enti	ties only).		
	Renaissance Technologie	es LLC 26-0385758			
(2)	CHECK THE APPROPRIATE BO (a) [_] (b) [_]	OX IF A MEMBER OF A GROUP (S	EE INSTRUCTIONS):		
(3)	SEC USE ONLY				
(4) CITIZENSHIP OR PLACE OF ORGANIZATION					
	Delaware				
		(5) SOLE	VOTING POWER		
	NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING		11,445,703		
	PERSON WITH:	(6) SHAR	ED VOTING POWER		

		0	
		(7)	SOLE DISPOSITIVE POWER
			11,445,703
		(8)	SHARED DISPOSITIVE POWER
			Θ
(9)	AGGREGATE AMOUNT BENEFICIALLY OWNED BY E	EACH REP	ORTING PERSON
	11,445,703		
(10)	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (SEE INSTRUCTIONS)	V (9) EX	CLUDES CERTAIN SHARES
(11)	PERCENT OF CLASS REPRESENTED BY AMOUNT		
. ,	5.54 %		· · /
(12)	TYPE OF REPORTING PERSON (SEE INSTRUCTIONIA	DNS)	
	Page 2 of 8 p	-	
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	Page 3 of 8 p		
	Page 3 01 8 p SIP NO. 60879B107 13G		Page 3 of 8 P
CUS	SIP NO. 60879B107 13G	RSONS (E	NTITIES ONLY).
CUS (1)	SIP NO. 60879B107 13G NAMES OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PER RENAISSANCE TECHNOLOGIES HOLDINGS CORPOR CHECK THE APPROPRIATE BOX IF A MEMBER OF (a) [_]	RSONS (E	NTITIES ONLY). 13-3127734
CUS (1) (2)	SIP NO. 60879B107 13G NAMES OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PER RENAISSANCE TECHNOLOGIES HOLDINGS CORPOR CHECK THE APPROPRIATE BOX IF A MEMBER OF	RSONS (E	NTITIES ONLY). 13-3127734
CUS (1) (2) (3)	SIP NO. 60879B107 13G NAMES OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PER RENAISSANCE TECHNOLOGIES HOLDINGS CORPOR CHECK THE APPROPRIATE BOX IF A MEMBER OF (a) [_] (b) [_] SEC USE ONLY	RSONS (E RATION A GROU	NTITIES ONLY). 13-3127734
CUS (1) (2) (3)	SIP NO. 60879B107 13G NAMES OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PER RENAISSANCE TECHNOLOGIES HOLDINGS CORPOR CHECK THE APPROPRIATE BOX IF A MEMBER OF (a) [_] (b) [_] SEC USE ONLY	RSONS (E RATION A GROU	NTITIES ONLY). 13-3127734 P (SEE INSTRUCTIONS)
CUS (1) (2) (3)	SIP NO. 60879B107 13G NAMES OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PER RENAISSANCE TECHNOLOGIES HOLDINGS CORPOR CHECK THE APPROPRIATE BOX IF A MEMBER OF (a) [_] (b) [_] SEC USE ONLY CITIZENSHIP OR PLACE OF ORGANIZATION	RSONS (E RATION A GROU	NTITIES ONLY). 13-3127734 P (SEE INSTRUCTIONS)
CUS (1) (2) (3)	SIP NO. 60879B107 13G NAMES OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PER RENAISSANCE TECHNOLOGIES HOLDINGS CORPOR CHECK THE APPROPRIATE BOX IF A MEMBER OF (a) [_] (b) [_] SEC USE ONLY CITIZENSHIP OR PLACE OF ORGANIZATION Delaware NUMBER OF SHARES BENEFICIALLY OWNED	RSONS (E RATION A GROU	NTITIES ONLY). 13-3127734 P (SEE INSTRUCTIONS)
CUS (1) (2) (3)	SIP NO. 60879B107 13G NAMES OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PER RENAISSANCE TECHNOLOGIES HOLDINGS CORPOR CHECK THE APPROPRIATE BOX IF A MEMBER OF (a) [_] (b) [_] SEC USE ONLY CITIZENSHIP OR PLACE OF ORGANIZATION Delaware NUMBER OF SHARES	RSONS (E RATION A GROU (5)	NTITIES ONLY). 13-3127734 P (SEE INSTRUCTIONS) SOLE VOTING POWER
CUS (1) (2) (3)	SIP NO. 60879B107 13G NAMES OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PER RENAISSANCE TECHNOLOGIES HOLDINGS CORPOR CHECK THE APPROPRIATE BOX IF A MEMBER OF (a) [_] (b) [_] SEC USE ONLY CITIZENSHIP OR PLACE OF ORGANIZATION Delaware NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING	RSONS (E RATION A GROU (5)	NTITIES ONLY). 13-3127734 P (SEE INSTRUCTIONS) SOLE VOTING POWER 11,445,703
CUS (1) (2) (3)	SIP NO. 60879B107 13G NAMES OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PER RENAISSANCE TECHNOLOGIES HOLDINGS CORPOR CHECK THE APPROPRIATE BOX IF A MEMBER OF (a) [_] (b) [_] SEC USE ONLY CITIZENSHIP OR PLACE OF ORGANIZATION Delaware NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING	RSONS (E RATION A GROU (5)	NTITIES ONLY). 13-3127734 P (SEE INSTRUCTIONS) SOLE VOTING POWER 11,445,703 SHARED VOTING POWER
CUS (1) (2) (3)	SIP NO. 60879B107 13G NAMES OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PER RENAISSANCE TECHNOLOGIES HOLDINGS CORPOR CHECK THE APPROPRIATE BOX IF A MEMBER OF (a) [_] (b) [_] SEC USE ONLY CITIZENSHIP OR PLACE OF ORGANIZATION Delaware NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING	RSONS (E RATION - A GROU (5) (6)	NTITIES ONLY). 13-3127734 P (SEE INSTRUCTIONS) SOLE VOTING POWER 11,445,703 SHARED VOTING POWER 0
CUS (1) (2) (3)	SIP NO. 60879B107 13G NAMES OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PER RENAISSANCE TECHNOLOGIES HOLDINGS CORPOR CHECK THE APPROPRIATE BOX IF A MEMBER OF (a) [_] (b) [_] SEC USE ONLY CITIZENSHIP OR PLACE OF ORGANIZATION Delaware NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING	RSONS (E RATION - A GROU (5) (6)	NTITIES ONLY). 13-3127734 P (SEE INSTRUCTIONS) SOLE VOTING POWER 11,445,703 SHARED VOTING POWER 0 SOLE DISPOSITIVE POWER

	11,445,703				
(10) CHECK BOX IF THE AGGRE (SEE INSTRUCTIONS)	GATE AMOUNT IN ROW (9)	) EXCLUDES CERTAIN SHARES			
(11) PERCENT OF CLASS REPR					
	5.54 %				
(12) TYPE OF REPORTING PERS					
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		Page 4 of 8 Pages			
 Item 1.		·····			
(a) Name of Issuer					
Momo Inc.					
(b) Address of Issuer's	s Principal Executive C	Offices.			
20th Floor, Block Chaoyang District, Beijing		SOHO, No.1 Futongdong Street, ublic of China			
Item 2.					
(a) Name of Person Fili	.ng:				
		aissance Technologies LLC Ldings Corporation ("RTHC").			
(b) Address of Princip	al Business Office or,	if none, Residence.			
The principal busi	ness address of the re	eporting persons is:			
800 Third New York,	Avenue New York 10022				
(c) Citizenship.					
RTC is a Delaware l RTHC is a Delaware	imited liability compa corporation.	any, and			
(d) Title of Class of	Securities.				
American depositar	y shares (each represe	enting two Class A ordinary shares)			
(e) CUSIP Number.					
60879B107					
	Page 4 of				
Item 3. If this statement i					
<ul> <li>(b) [_] Bank as defined in</li> <li>(c) [_] Insurance Company</li> <li>(d) [_] Investment Company Company Act.</li> </ul>	<ul> <li>[_] Bank as defined in section 3(a)(6) of the Act.</li> <li>[_] Insurance Company as defined in section 3(a)(19) of the Act.</li> <li>[_] Investment Company registered under section 8 of the Investment Company Act.</li> </ul>				
(f) [_] Employee Benefit P Sec. 240.13d-1(b)(	Plan or Endowment Fund 1)(ii)(F).				
	ions as defined in Sec	ith Sec.240.13d-1(b)(1)(ii)(G). ction 3(b) of the Federal			

A church plan that is excluded from the definition of an investment (i) [\_] company under section 3(c)(14) of the Investment Company Act of 1940. Group, in accordance with Sec.240.13d-1(b)(1)(ii)(J). (j) [\_] Item 4. Ownership. (a) Amount beneficially owned. 11,445,703 RTC: shares 11,445,703 RTHC: shares, comprising the shares beneficially owned by RTHC, because of RTHC's majority ownership of RTC. (b) Percent of Class. RTC: 5.54 % RTHC: 5.54 % (c) Number of shares as to which the person has: (i) sole power to vote or to direct the vote: RTC: 11,445,703 RTHC: 11,445,703 (ii) Shared power to vote or to direct the vote: 0 (iii) sole power to dispose or to direct the disposition of: RTC: 11,445,703 RTHC: 11,445,703 (iv) Shared power to dispose or to direct the disposition of: RTC: 0 RTHC: Θ Page 5 of 8 pages \_\_\_\_\_ 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

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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the Security Being Reported on by the Parent Holding Company.

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 12, 2019

Renaissance Technologies LLC

By: /s/ Mark Silber Executive Vice President

Renaissance Technologies Holdings Corporation

By: /s/ 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 American depositary shares (each representing two Class A ordinary shares) of Momo Inc.

Date: February 12, 2019

Renaissance Technologies LLC

By: /s/ Mark Silber Executive Vice President By: /s/ Mark Silber Vice President

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