

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

SCHEDULE 13G

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

Rice Acquisition Corp. II

(Name of Issuer)

Class A ordinary shares, \$0.0001 par value

(Title of Class of Securities)

G75529100

(CUSIP Number)

June 13, 2022

(Date of Event which Requires Filing of this Statement)

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

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 (the "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).

CUSIP: G75529100

1	NAME OF REPORTING PERSON RP Investment Advisors LP	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3	SEC USE ONLY	
4	CITIZENSHIP OR PLACE OF ORGANIZATION Ontario, Canada	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER 0
	6	SHARED VOTING POWER 1,748,982
	7	SOLE DISPOSITIVE POWER 0
	8	SHARED DISPOSITIVE POWER 1,748,982
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,748,982	
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES <input type="checkbox"/>	

11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9 5.07% (1)
12	TYPE OF REPORTING PERSON PN, IA, FI

(1) Based upon 34,502,500 Class A ordinary shares issued and outstanding, as reported by the Issuer in its quarterly report on Form 10-Q filed with the Securities and Exchange Commission on May 11, 2022.

CUSIP: G75529100

1	NAME OF REPORTING PERSON RP Select Opportunities Master Fund Ltd.	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3	SEC USE ONLY	
4	CITIZENSHIP OR PLACE OF ORGANIZATION Cayman Islands	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER 0
	6	SHARED VOTING POWER 784,788
	7	SOLE DISPOSITIVE POWER 0
	8	SHARED DISPOSITIVE POWER 784,788
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 784,788	
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES <input type="checkbox"/>	
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9 2.27% (1)	
12	TYPE OF REPORTING PERSON FI	

(1) Based upon 34,502,500 Class A ordinary shares issued and outstanding, as reported by the Issuer in its quarterly report on Form 10-Q filed with the Securities and Exchange Commission on May 11, 2022.

CUSIP: G75529100

1	NAME OF REPORTING PERSON RP Debt Opportunities Fund Ltd.	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	

3	SEC USE ONLY	
4	CITIZENSHIP OR PLACE OF ORGANIZATION Cayman Islands	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER 0
	6	SHARED VOTING POWER 81,406
	7	SOLE DISPOSITIVE POWER 0
	8	SHARED DISPOSITIVE POWER 81,406
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 81,406	
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES <input type="checkbox"/>	
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9 0.24% (1)	
12	TYPE OF REPORTING PERSON FI	

(1) Based upon 34,502,500 Class A ordinary shares issued and outstanding, as reported by the Issuer in its quarterly report on Form 10-Q filed with the Securities and Exchange Commission on May 11, 2022.

CUSIP: G75529100

1	NAME OF REPORTING PERSON RP Alternative Global Bond Fund	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3	SEC USE ONLY	
4	CITIZENSHIP OR PLACE OF ORGANIZATION Canada	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER 0
	6	SHARED VOTING POWER 50,218
	7	SOLE DISPOSITIVE POWER 0
	8	SHARED DISPOSITIVE POWER 50,218
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 50,218	

10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES <input type="checkbox"/>
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9 0.15% (1)
12	TYPE OF REPORTING PERSON FI

(1) Based upon 34,502,500 Class A ordinary shares issued and outstanding, as reported by the Issuer in its quarterly report on Form 10-Q filed with the Securities and Exchange Commission on May 11, 2022.

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CUSIP: G75529100

1	NAME OF REPORTING PERSON RP SPAC Fund	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3	SEC USE ONLY	
4	CITIZENSHIP OR PLACE OF ORGANIZATION Canada	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER 0
	6	SHARED VOTING POWER 832,570
	7	SOLE DISPOSITIVE POWER 0
	8	SHARED DISPOSITIVE POWER 832,570
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 832,570	
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES <input type="checkbox"/>	
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9 2.41% (1)	
12	TYPE OF REPORTING PERSON FI	

(1) Based upon 34,502,500 Class A ordinary shares issued and outstanding, as reported by the Issuer in its quarterly report on Form 10-Q filed with the Securities and Exchange Commission on May 11, 2022.

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ITEM 1 (a): Name of Issuer:

Rice Acquisition Corp. II (the "Issuer")

ITEM 1 (b): Address of Issuer's Principal Executive Offices:

102 East Main Street, Second Story

ITEM 2 (a): Name of Person Filing:

This statement is jointly filed by and on behalf of each of RP Investment Advisors LP, RP Select Opportunities Master Fund Ltd., RP Debt Opportunities Fund Ltd., RP Alternative Global Bond Fund and RP SPAC Fund. RP Select Opportunities Master Fund Ltd., RP Debt Opportunities Fund Ltd., RP Alternative Global Bond Fund and RP SPAC Fund (the "Funds") are the record and direct beneficial owners of the securities covered by this statement. RP Investment Advisors LP is the investment advisor of, and may be deemed to beneficially own securities owned by, the Funds.

Each reporting person declares that neither the filing of this statement nor anything herein shall be construed as an admission that such person is, for the purposes of Section 13(d) or 13(g) of the Act or any other purpose, the beneficial owner of any securities covered by this statement.

Each of the reporting persons may be deemed to be a member of a group with respect to the Issuer or securities of the Issuer for the purposes of Section 13(d) or 13(g) of the Act. Each of the reporting persons declares that neither the filing of this statement nor anything herein shall be construed as an admission that such person is, for the purposes of Section 13(d) or 13(g) of the Act or any other purpose, (i) acting (or has agreed or is agreeing to act together with any other person) as a partnership, limited partnership, syndicate, or other group for the purpose of acquiring, holding, or disposing of securities of the Issuer or otherwise with respect to the Issuer or any securities of the Issuer or (ii) a member of any group with respect to the Issuer or any securities of the Issuer.

ITEM 2(b): Address of Principal Business Office or, if None, Residence:

The address of the principal business office of each of the reporting persons is 39 Hazelton Avenue, Toronto, Ontario, Canada, M5R 2E3.

ITEM 2(c): Citizenship:

See Item 4 on the cover page(s) hereto.

ITEM 2(d): Title of Class of Securities:

Class A ordinary shares

ITEM 2(e): CUSIP Number:

G75529100

ITEM 3: If This Statement is Filed Pursuant to §§240.13d-1(b) or 240.13d-2(b) or (c), Check Whether the Person Filing is a:

- (a) Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o);
- (b) Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c);
- (c) Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c);
- (d) Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8);
- (e) An investment adviser in accordance with §240.13d-1(b)(1)(ii)(E);
- (f) An employee benefit plan or endowment fund in accordance with §240.13d-1(b)(1)(ii)(F);
- (g) A parent holding company or control person in accordance with §240.13d-1(b)(1)(ii)(G);
- (h) A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);
- (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 (15 U.S.C. 80a-3);
- (j) A non-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J);
- (k) Group, in accordance with §240.13d-1(b)(1)(ii)(K).

If filing as a non-U.S. institution in accordance with Rule 240.13d-1(b)(1)(ii)(J), please specify the type of institution:

Not applicable.

ITEM 4: Ownership.

(a) Amount Beneficially Owned: See Item 9 on the cover page(s) hereto.

(b) Percent of Class: See Item 11 on the cover page(s) hereto.

(c) Number of Shares as to which such person has:

(i) Sole power to vote or to direct the vote: See Item 5 on the cover page(s) hereto.

(ii) Shared power to vote or to direct the vote: See Item 6 on the cover page(s) hereto.

(iii) Sole power to dispose or to direct the disposition of: See Item 7 on the cover page(s) hereto.

(iv) Shared power to dispose or to direct the disposition of: See Item 8 on the cover page(s) hereto.

* The Class A ordinary shares, par value \$0.0001 per share (the "Shares") of Rice Acquisition Corp. II are held by RP Select Opportunities Master Fund Ltd., RP Debt Opportunities Fund Ltd., RP Alternative Global Bond Fund and RP SPAC Fund (the "Funds"), which are managed by RP Investment Advisors LP, an Ontario limited partnership (the "Advisor"). The Advisor, in its capacity as the investment manager of the Funds, has the power to vote and the power to direct the disposition of all Shares held by the Funds. Accordingly, for the purposes of Reg. Section 240.13d-3, the Advisor may be deemed to beneficially own an aggregate of 1,748,982 Shares, or 5.07% of the 34,502,500 Shares that were issued and outstanding as reported on the Issuer's quarterly report on Form 10-Q, filed with the Securities and Exchange Commission on May 11, 2022.

This report shall not be deemed an admission that the Advisor, the Funds or any other person is the beneficial owner of the securities reported herein for purposes of Section 13 of the Securities Exchange Act of 1934, as amended, or for any other purpose. Each of the reporting persons herein disclaims beneficial ownership of the Shares reported herein except to the extent of the reporting person's pecuniary interest therein.

ITEM 5: Ownership of Five Percent or Less of a Class:

Not applicable.

ITEM 6: Ownership of More than Five Percent on Behalf of Another Person:

Not applicable.

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.

ITEM 10: Certification.

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were 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, other than activities solely in connection with a nomination under § 240.14a-11.

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.

Dated: June 22, 2022

RP INVESTMENT ADVISORS LP

By: /s/ Richard Pilosof
 Name: Richard Pilosof
 Title: Chief Executive Officer, RP Investment Advisors LP
 by its General Partner RP Investment Advisors GP Inc.

RP SELECT OPPORTUNITIES MASTER FUND LTD.

By: /s/ Richard Pilosof
 Name: Richard Pilosof
 Title: Chief Executive Officer, RP Investment Advisors LP
 by its General Partner RP Investment Advisors GP Inc.

RP DEBT OPPORTUNITIES FUND LTD.

By: /s/ Richard Pilosof
 Name: Richard Pilosof
 Title: Chief Executive Officer, RP Investment Advisors LP
 by its General Partner RP Investment Advisors GP Inc.

RP ALTERNATIVE GLOBAL BOND FUND

By: /s/ Richard Pilosof
 Name: Richard Pilosof
 Title: Chief Executive Officer, RP Investment Advisors LP
 by its General Partner RP Investment Advisors GP Inc.

RP SPAC FUND

By: /s/ Richard Pilosof
 Name: Richard Pilosof
 Title: Chief Executive Officer, RP Investment Advisors LP
 by its General Partner RP Investment Advisors GP Inc.

Exhibit Description of Exhibit

99.1 [Joint Filing Agreement \(filed herewith\).](#)

JOINT FILING AGREEMENT

June 22, 2022

Pursuant to and in accordance with the Securities Exchange Act of 1934, as amended (the "*Exchange Act*"), and the rules and regulations thereunder, each party hereto hereby agrees to the joint filing, on behalf of each of them, of any filing required by such party under Section 13 or Section 16 of the Exchange Act or any rule or regulation thereunder (including any amendment, restatement, supplement, and/or exhibit thereto) with the Securities and Exchange Commission (and, if such security is registered on a national securities exchange, also with the exchange), and further agrees to the filing, furnishing, and/or incorporation by reference of this agreement as an exhibit thereto. This agreement shall remain in full force and effect until revoked by any party hereto in a signed writing provided to each other party hereto, and then only with respect to such revoking party.

IN WITNESS WHEREOF, each party hereto, being duly authorized, has caused this agreement to be executed and effective as of the date first written above.

RP INVESTMENT ADVISORS LP

By: /s/ Richard Pilosof
Name: Richard Pilosof
Title: Chief Executive Officer, RP Investment Advisors LP
by its General Partner RP Investment Advisors GP Inc.

RP SELECT OPPORTUNITIES MASTER FUND LTD.

By: /s/ Richard Pilosof
Name: Richard Pilosof
Title: Chief Executive Officer, RP Investment Advisors LP
by its General Partner RP Investment Advisors GP Inc.

RP DEBT OPPORTUNITIES FUND LTD.

By: /s/ Richard Pilosof
Name: Richard Pilosof
Title: Chief Executive Officer, RP Investment Advisors LP
by its General Partner RP Investment Advisors GP Inc.

RP ALTERNATIVE GLOBAL BOND FUND

By: /s/ Richard Pilosof
Name: Richard Pilosof
Title: Chief Executive Officer, RP Investment Advisors LP
by its General Partner RP Investment Advisors GP Inc.

RP SPAC FUND

By: /s/ Richard Pilosof
Name: Richard Pilosof
Title: Chief Executive Officer, RP Investment Advisors LP
by its General Partner RP Investment Advisors GP Inc.