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

SCHEDULE 13G

Under the Securities Exchange Act of 1934 (Amendment No. 5)*

INNOVIVA, INC.

(Name of Issuer)

Common Stock, par value \$0.01 per share (Title of Class of Securities)

45781M101

(CUSIP Number)

December 30, 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:

[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).

_____ _____ CUSIP NO. 45781M101 13G Page 2 of 8 Pages _____ (1) NAMES OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (entities only). Renaissance Technologies LLC 26-0385758 -_____ (2) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS): (a) [_] (b) [_] _____ _____ (3) SEC USE ONLY (4) CITIZENSHIP OR PLACE OF ORGANIZATION Delaware _____ (5) SOLE VOTING POWER NUMBER OF SHARES 4,227,988 BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH: (6) SHARED VOTING POWER 0 (7) SOLE DISPOSITIVE POWER

4,229,607

(9)	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EAC	H REPORTING PERSON
	4,229,607	
(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)
	6.06 %	
(12)	TYPE OF REPORTING PERSON (SEE INSTRUCTIONS IA)
	Page 2 of 8 pag	es
	Page 3 of 8 pag	
	IP NO. 45781M101 13G	Page 3 of 8 Pages
(1)	NAMES OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSO	
	RENAISSANCE TECHNOLOGIES HOLDINGS CORPORAT	ION 13-3127734
(2)	CHECK THE APPROPRIATE BOX IF A MEMBER OF A (a) [_] (b) [_]	GROUP (SEE INSTRUCTIONS)
(3)	SEC USE ONLY	
(4)	CITIZENSHIP OR PLACE OF ORGANIZATION	
	Delaware	
		(5) SOLE VOTING POWER
	NUMBER OF SHARES	4,227,988
	BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	
		(6) SHARED VOTING POWER
		0
		(7) SOLE DISPOSITIVE POWER
		4,229,607
		(8) SHARED DISPOSITIVE POWER
		0
(9)	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EAC	H REPORTING PERSON
	4,229,607	
(10)	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW ((SEE INSTRUCTIONS) [_]	
(11)	PERCENT OF CLASS REPRESENTED BY AMOUNT IN	ROW (9)
	6.06 %	
(12)	TYPE OF REPORTING PERSON (SEE INSTRUCTIONS HC)
	Page 3 of 8 pag	es ====================================

<pre>Item 1. (a) Name of Issuer INNOVIVA, INC. (b) Address of Issuer's Principal Executive Offices. 1350 Old Bayshore Highway Suite 400, Burlingame, CA 94010 Item 2. (a) Name of Person Filing: This Schedule 13G is being filed by Renaissance Technologies LLC ("RTC") and Renaissance Technologies Roldings Corporation ("RRPC"). (b) Address of Principal Business Office or, if none, Residence. The principal business address of the reporting persons is:</pre>		NO. 45781M101 13G Page 4 of 8 Pages
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<pre>RTC: 4,229,607 shares RTHC: 4,229,607 shares, comprising the shares beneficially of by RTHC, because of RTHC's majority ownership of RTC. (b) Percent of Class. RTC: 6.06 % RTHC: 6.06 % (c) Number of shares as to which the person has: (i) sole power to vote or to direct the vote:</pre>	Item 4.	Ownership.
<pre>RTHC: 4,229,607 shares, comprising the shares beneficially or by RTHC, because of RTHC's majority ownership of RTC. (b) Percent of Class. RTC: 6.06 % RTHC: 6.06 % (c) Number of shares as to which the person has: (i) sole power to vote or to direct the vote:</pre>	(a)	Amount beneficially owned.
<pre>RTC: 6.06 % RTHC: 6.06 % (c) Number of shares as to which the person has: (i) sole power to vote or to direct the vote:</pre>		
<pre>RTHC: 6.06 % (c) Number of shares as to which the person has: (i) sole power to vote or to direct the vote:</pre>	(b)	Percent of Class.
(i) sole power to vote or to direct the vote:		
-	(c)	Number of shares as to which the person has:
RTC: 4,227,988		(i) sole power to vote or to direct the vote:
RTHC: 4,227,988		

(ii) Shared power to vote or to direct the vote: 0 (iii) sole power to dispose or to direct the disposition of: RTC: 4,229,607 RTHC: 4,229,607 (iv) Shared power to dispose or to direct the disposition of: RTC: 0 RTHC: 0 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 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 Page 6 of 8 pages _____ 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 13, 2023

Renaissance Technologies LLC

By: /s/ Brian Felczak Co-Chief Financial Officer By: /s/ Brian Felczak Vice President

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

Page 7 of 8 Pages

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, par value \$0.01 per share of INNOVIVA, INC.

Date: February 13, 2023

Renaissance Technologies LLC

By: /s/ Brian Felczak Co-Chief Financial Officer

Renaissance Technologies Holdings Corporation

By: /s/ Brian Felczak Vice President

Page 8 of 8 Pages