NATUS MEDICAL INC Form SC 13D/A April 08, 2008

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

SCHEDULE 13D
Under the Securities Exchange Act of 1934
(Amendment No. 11)

NATUS MEDICAL INCORPORATION (BABY)
(Name of Issuer)

Common Stock (Title of Class of Securities)

639050103 (CUSIP Number)

David Nierenberg The D3 Family Funds 19605 NE 8th Street Camas, WA 98607 (360) 604-8600

With a copy to:

Henry Lesser, Esq.
DLA Piper US LLP
2000 University Avenue
East Palo Alto, CA 94303
(650) 833-2000

(Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications)

April 4, 2008 (Date of Event which Requires Filing of this Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D and is filing this schedule because of Sections 240.13d-1(e), 240.13d-1(f) or 240.13d-1(g), check the following box $| _ |$.

1	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NOS. OF ABOVE PERSON		
	The D3 Family Fund, L.P.		
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*	, ,	X _
3	SEC USE ONLY		

	WC					
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e) _					
6	CITIZENS	HIP O	R PLACE OF ORGANIZATION			
	Washingto	on				
		7	SOLE VOTING POWER			
			702,291 Common shares (3.1%)			
	UMBER OF SHARES EFICIALLY	8	SHARED VOTING POWER			
0	WNED BY EACH	9	SOLE DISPOSITIVE POWER			
	EPORTING PERSON		702,291			
	WITH	10	SHARED DISPOSITIVE POWER			
			0			
12 13			THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CEF	RTAIN SHARES* _		
 14			 TING PERSON*			
14	PN	VEE OIV	TING FERSON			
			*SEE INSTRUCTIONS BEFORE FILLING OUT!			
			2			
1	S.S. OR	I.R.S	TING PERSON . IDENTIFICATION NOS. OF ABOVE PERSON Bulldog Fund, L.P.			
2			ROPRIATE BOX IF A MEMBER OF A GROUP*	(a) X (b) _		
				·~/ _		

4	SOURCE OF	FUN	IDS*					
	WC							
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e) _							
6	CITIZENSH	 IP 0	DR PLACE OF ORGANIZATION					
	Washingto	n						
		7	SOLE VOTING POWER					
			2,569,995 common shares (11.3%)					
N	IUMBER OF	8	SHARED VOTING POWER					
BEN	SHARES IEFICIALLY		0					
	WNED BY EACH	9	SOLE DISPOSITIVE POWER					
	REPORTING PERSON		2,569,995					
	WITH	10	SHARED DISPOSITIVE POWER					
			0					
11	AGGREGATE	AMO	OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON					
			rting person listed on this page, 2,569,995; for all rsons as a group, 4,359,845 shares (19.1%)					
12	CHECK BOX	IF	THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES*	_				
13	PERCENT C	F CL	LASS REPRESENTED BY AMOUNT IN ROW (11)					
	19.1%							
14	TYPE OF F	EPOR	RTING PERSON*					
	PN							
			*SEE INSTRUCTIONS BEFORE FILLING OUT!					
			3					
1			RTING PERSON S. IDENTIFICATION NOS. OF ABOVE PERSON					
	The D3 Fa	mily	Canadian Fund, L.P.					
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*							

				(a) (b)	X _		
3	SEC USE O	NLY					
4	SOURCE OF	FUND	S*				
	WC						
5			ISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED EMS 2(d) OR 2(e)		I_I		
 6	 CITIZENSH	IP OR	PLACE OF ORGANIZATION				
	Washingto	n					
		7	SOLE VOTING POWER				
			129,931 common shares (0.6%)				
	MBER OF	8	SHARED VOTING POWER				
BENE	HARES FICIALLY		0				
	EACH 9 SOLE DISPOSITIVE POWER						
P	EPORTING PERSON WITH		129,931				
		10	SHARED DISPOSITIVE POWER				
			0				
11	AGGREGATE	AMOU	NT BENEFICIALLY OWNED BY EACH REPORTING PERSO	N			
		-	ing person listed on this page, 129,931; for ons as a group, 4,359,845 shares (19.1%)	all			
12	CHECK BOX	IF T	THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERT	AIN S	HARES* _		
13	PERCENT O	F CLA	SS REPRESENTED BY AMOUNT IN ROW (11)				
	19.1%						
14	TYPE OF REPORTING PERSON*						
	PN 						
			*SEE INSTRUCTIONS BEFORE FILLING OUT!				
			4				
1			ING PERSON IDENTIFICATION NOS. OF ABOVE PERSON				

	The DIII	Offsh	nore Fund, L.P.				
2	CHECK THE		X _				
3	SEC USE O	NLY					
4 SOURCE OF FUNDS*		S*					
	WC 	WC					
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e) _						
6	CITIZENSH	IP OF	PLACE OF ORGANIZATION				
	Washingto	Washington					
		7	SOLE VOTING POWER				
			957,628 common shares (4.2%)				
NU	JMBER OF	8	SHARED VOTING POWER				
BENE	SHARES EFICIALLY		0				
OW	WNED BY EACH EPORTING PERSON WITH	9	SOLE DISPOSITIVE POWER				
			957,628				
		10	SHARED DISPOSITIVE POWER				
			0				
11	AGGREGATE	JOMA	UNT BENEFICIALLY OWNED BY EACH REPORTING PERSO	ON			
			ring person listed on this page, 957,628; for sons as a group, 4,359,845 shares (19.1%)	all			
12	CHECK BOX	IF 7	THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERI	TAIN S	SHARES*	_	
13	PERCENT O	F F CL <i>F</i>	ASS REPRESENTED BY AMOUNT IN ROW (11)				
	19.1%						
14	TYPE OF R	EPORI	ING PERSON*				
	PN						
			*CFF INCTDICTIONS REFORE FILLING OUT				

1			FING PERSON TING DENTIFICATION NOS. OF ABOVE PERSON						
	Nierenber	Nierenberg Investment Management Company, Inc.							
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) X (b) _								
3	SEC USE C	NLY							
4	SOURCE OF	' FUNI	os*						
	AF								
5			DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED FEMS 2(d) OR 2(e)		I_I				
6	CITIZENSH	IP OF	R PLACE OF ORGANIZATION						
	Washingto	n							
		7	SOLE VOTING POWER						
			0						
	UMBER OF SHARES	8	SHARED VOTING POWER						
BENI	EFICIALLY WNED BY		4,359,845 shares (19.1%)						
	EACH	9	SOLE DISPOSITIVE POWER						
	EPORTING PERSON		0						
	WITH	10	SHARED DISPOSITIVE POWER						
			4,359,845 shares						
11	AGGREGATE	AMOU	JNT BENEFICIALLY OWNED BY EACH REPORTING PERS	ON					
		_	ting person listed on this page, 4,359,845; f sons as a group, 4,359,845 shares (19.1%)	or all					
12	CHECK BOX		THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CER	TAIN S	HARES*	_			
13	PERCENT C	F CL	ASS REPRESENTED BY AMOUNT IN ROW (11)						
	19.1%								
14		TYPE OF REPORTING PERSON*							
	CO								
			*SEE INSTRUCTIONS BEFORE FILLING OUT!						

1 NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NOS. OF ABOVE PERSON								
	Nierenber	g In	restment Management Offshore, Inc.					
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) X (b) _							
3	SEC USE ONLY							
4	SOURCE OF	FUNI)S*					
	AF							
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e) _							
6	CITIZENSHIP OR PLACE OF ORGANIZATION							
	Bahamas							
		7	SOLE VOTING POWER					
			0					
	JMBER OF SHARES SFICIALLY JNED BY	8	SHARED VOTING POWER					
BENE			957,628 common shares (4.2%)					
	EACH PORTING	9	SOLE DISPOSITIVE POWER					
P	PERSON		0					
	WITH	10	SHARED DISPOSITIVE POWER					
			957,628 common shares					
11	AGGREGATE	AMO!	JNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	Ν.				
			sing person listed on this page, 957,628; for a sons as a group, 4,359,845 shares (19.1%)	all				
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES* _							
13	PERCENT C	F CL	ASS REPRESENTED BY AMOUNT IN ROW (11)					
	19.1%							
14	TYPE OF REPORTING PERSON*							

CO *SEE INSTRUCTIONS BEFORE FILLING OUT! 7 NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NOS. OF ABOVE PERSON David Nierenberg 2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) |X| (b) |_| 3 SEC USE ONLY SOURCE OF FUNDS* AF ______ CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e) CITIZENSHIP OR PLACE OF ORGANIZATION Washington 7 SOLE VOTING POWER NUMBER OF 8 SHARED VOTING POWER SHARES 4,359,845 common shares (19.1%) BENEFICIALLY OWNED BY 9 SOLE DISPOSITIVE POWER EACH REPORTING 0 PERSON WITH ______ 10 SHARED DISPOSITIVE POWER 4,359,845 11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON For the reporting person listed on this page, 4,359,845; for all reporting persons as a group, 4,359,845 shares (19.1%) 12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES* |_| 13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

19.1%

14 TYPE OF REPORTING PERSON*

IN

*SEE INSTRUCTIONS BEFORE FILLING OUT!

8

This Amendment No. 11 to Schedule 13D (this "Amendment") amends the below-indicated items from the Schedule 13D (the "Schedule 13D") previously filed by or on behalf of the undersigned parties (the "Reporting Persons") by supplementing such Items with the information below:

Item 2. Identity and Background.

The Reporting Persons now include The D3 Family Canadian Fund, L.P., a Washington State limited partnership ("The D3 Family Canadian Fund"), of which Nierenberg Investment Management Company, Inc, a Reporting Person, is the general partner.

The Reporting Persons now also include David Nierenberg. His business address is 19605 NE 8th Street, Camas WA 98607; his principal occupation is President of Nierenberg Investment Management Company, Inc. and Nierenberg Investment Management Offshore, Inc, two of the other Reporting Persons; and he is a citizen of the United States of America.

During the past five years neither The D3 Family Canadian Fund, L.P. nor David Nierenberg have been convicted in a criminal proceeding required to be reported in response to Item 2(d), or a party to a civil proceeding required to be reported in response to Item 2(e), of Schedule 13D.

Item 3. Source and Amount of Funds or Other Consideration.

The total amount of funds used by the Reporting Persons to make all purchases of Shares beneficially owned by the Reporting Persons, as reported in Item 5(a, b), was \$36,714,462. The total amount of funds used by the Reporting Persons to make all of the purchases of Shares reported in Item 5(c) was \$3,197,250. The source of funds for all purchases of Shares by each of the Reporting Persons (including The D3 Family Canadian Fund) is the working capital of the applicable D3 Family Fund (each, a "Fund").

Item 4. Purpose of Transaction

On April 4, 2008, two of the Funds (identified in Item 5(c)) agreed to purchase from the Company's underwriter, and the underwriter agreed to sell to each Fund, the number of Shares set forth in Item 5 at a purchase price of \$18.27 per Share. These Shares will be issued pursuant to the Company's Registration Statement on Form S-3 (File No. 333-233480), as amended, in connection with an underwritten offering of its common stock by the Company (the "Offering"). Concurrently with the settlement of these purchases and the issuance of the Shares to the purchasing Funds (anticipated to occur on April 9,2008), the Company and each of the purchasing Funds will enter into a Registration Rights Agreement anticipated to be dated as of April 9, 2008 (the "Registration Rights Agreement") pursuant to which, subject to the terms and conditions thereof, the Company will grant to the Funds certain rights to require the Company to register for resale all Shares held by the Reporting Persons as of the date of the Registration Rights Agreement. The form of

Registration Rights Agreement is filed as Exhibit 1 to this Amendment and the terms thereof are incorporated into this Item by reference.

9

The Reporting Persons hold their shares of the Company's common stock for investment. The Reporting Persons reserve the right to increase or decrease their investment in the Company depending on market conditions, circumstances affecting the Company and/or extrinsic factors such as developments in the Company's industry and the economic environment, and to discuss the Company and their investment in the shares of the Company with the directors and executive officers of the Company and third parties, without amending the Schedule 13D except as required by applicable rules.

Item 5. Interest in Securities of the Issuer.

(a, b) The Reporting Persons, in the aggregate, beneficially own 4,359,845 Shares, constituting approximately 19.1% of the outstanding Shares. All percentages in this Amendment have been calculated based on the information to be provided by the Company in the Registration Rights Agreement as to the number of Shares that will be outstanding following the completion of the Offering.

(c) On April 4, 2008, the Reporting Persons named below agreed to purchase the following number of Shares through the transactions reported in respect to Item $4.\,$

Fu	nd		Transaction Date	Shares Acquired	Price
DЗ	Family Bulldog Fund,	LP	4/4/2008	146,000	18.27
D3	Family Canadian Fund,	LP	4/4/2008	29,000	18.27

Item 6. Contracts, Arrangements, Understandings or Relationships with Respect to Securities of the Issuer.

Reference is made to the Registration Rights Agreement (see Item 4), which is filed as an exhibit to this Amendment (see Item 7) and the terms of which are incorporated by reference in response to this Item.

Item 7. Material to be filed as Exhibits

Exhibit 1	Form of Registration Rights Agreement anticipated to
	be dated as of April 9, 2008, by and among the
	Company and each of the four Funds.

Exhibit 2 Joint Filing Agreement among the Reporting Persons dated March 5, 2008 pursuant to which all of the Reporting Persons have authorized the filing of Schedule 13D's and amendments thereto as a group.

10

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, each of the undersigned certifies that the information set forth in the Statement is true, complete and correct.

D3 Family Fund, L.P., D3 Bulldog Fund, L.P., and

D3 Family Canadian Fund, L.P. By: Nierenberg Investment Management Company, Inc. Its: General Partner April 8, 2008 By: /s/ David Nierenberg David Nierenberg, President DIII Offshore Fund, L.P. By: Nierenberg Investment Management Offshore, Inc. Its: General Partner April 8, 2008 By: /s/ David Nierenberg David Nierenberg, President Nierenberg Investment Management Company, Inc. April 8, 2008 By: /s/ David Nierenberg _____ _____ David Nierenberg, President Nierenberg Investment Management Offshore, Inc. April 8, 2008 By: /s/ David Nierenberg _____ ______ David Nierenberg, President April 8, 2008 /s/ David Nierenberg _____ _____

11

David Nierenberg