NATUS MEDICAL INC Form SC 13D/A May 14, 2007

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

SCHEDULE 13D Under the Securities Exchange Act of 1934 (Amendment No. 10)

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)

May 9, 2007

(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(TM).

1 NAME OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (entities only)

The D3 Family Fund, L.P.

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)

(a) [X]

(b)	Г	1

3	SEC USE ONLY					
4	SOURCE OF FUNDS (See Instructions)					
	WC					
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e) []					
6	CITIZENSHIP OR PLACE OF ORGANIZATION					
	Washingto	on				
	MBER OF	7	SOLE VOTING POWER			
BENE	HARES FICIALLY		702,291 Common shares (3.3%)			
	NED BY EACH	8	SHARED VOTING POWER			
P	ORTING ERSON		0			
	WITH	9	SOLE DISPOSITIVE POWER			
			702,291			
		10	SHARED DISPOSITIVE POWER			
			0			
11	AGGREGATE	AMO	UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
		-	ting person listed on this page, 702,291; for persons as a group, 4,083,914 shares (18.9%)			
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (See Instructions)					
	(TM)					
13	PERCENT C	OF CL	ASS REPRESENTED BY AMOUNT IN ROW (11)			
	18.9%					
14	TYPE OF REPORTING PERSON (See Instructions)					
	PN					
			2			
1	NAME OF REPORTING PERSONS					

I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (entities only)

The DIII Offshore Fund, L.P.

2	(See Instructions)					
					[X] []	
3	SEC USE ONLY					
4	SOURCE OF FUNDS (See Instructions)					
	WC					
5			DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED YEMS 2(d) or 2(e)		[]	
6	CITIZENSH	IP OF	R PLACE OF ORGANIZATION			
	Bahamas					
	MBER OF HARES	7	SOLE VOTING POWER			
BENE	FICIALLY NED BY		957,628 common shares (4.4%)			
	EACH ORTING	8	SHARED VOTING POWER			
P	ERSON WITH		0			
		9	SOLE DISPOSITIVE POWER			
			957,628			
		10	SHARED DISPOSITIVE POWER			
			0			
11	AGGREGATE	AMOU	NT BENEFICIALLY OWNED BY EACH REPORTING PERSO	Ν		
			ing person listed on this page, 957,628; for persons as a group, 4,083,914 shares (18.9%)			
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (See Instructions)					
	(TM)					
13	PERCENT O	F CLA	ASS REPRESENTED BY AMOUNT IN ROW (11)			
	18.9%					
14	TYPE OF R	EPORI	ING PERSON			
	PN					
			3			
			-			

1	NAME OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (entities only)					
	The D3 Far					
2					[X] []	
3	SEC USE ONLY					
4	SOURCE OF	FUND	S (See Instructions)			
	WC					
5			ISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED EMS 2(d) or 2(e)		[]	
6	CITIZENSH	IP OR	PLACE OF ORGANIZATION			
	Washington	n 				
	MBER OF HARES	7	SOLE VOTING POWER			
BENE	-		2,423,995 common shares (11.2%)			
]	EACH DRTING	8	SHARED VOTING POWER			
Pl	ERSON		0			
,	WITH	9	SOLE DISPOSITIVE POWER			
			2,423,995			
		10	SHARED DISPOSITIVE POWER			
			0			
11	AGGREGATE	AMOU	NT BENEFICIALLY OWNED BY EACH REPORTING PERSON	1		
	For the reporting person listed on this page, 2,423,995; for all reporting persons as a group, 4,083,914 shares (18.9%)					
12	2 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (See Instructions)					
	(TM)					
13	PERCENT OF	F CLA	SS REPRESENTED BY AMOUNT IN ROW (11)			
	18.9%					
14	TYPE OF RI	EPORT	ING PERSON			
	PN					

1	NAME OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (entities only)							
	Nierenber	Nierenberg Investment Management Company, Inc.						
2		CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)						
	(See Inst	ruct.	(1	-	[X] []			
3	SEC USE O	SEC USE ONLY						
4	SOURCE OF	FUNI	OS (See Instructions)					
	WC							
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e) []							
6	CITIZENSH	IP OI	R PLACE OF ORGANIZATION					
	Washingto	n						
		7	SOLE VOTING POWER					
BENE	HARES FICIALLY NED BY		0					
	EACH ORTING	8	SHARED VOTING POWER					
P	ERSON WITH		4,083,914 shares (18.9%)					
	** + + + + + + + + + + + + + + + + + +	9	SOLE DISPOSITIVE POWER					
			0					
		10	SHARED DISPOSITIVE POWER					
			4,083,914 shares					
11	AGGREGATE	AMO	JNT BENEFICIALLY OWNED BY EACH REPORTING PERSON					
			ing person listed on this page, 4,083,914; for persons as a group, 4,083,914 shares (18.9%)					
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (See Instructions)							
	(TM)							
13	PERCENT O	F CLZ	ASS REPRESENTED BY AMOUNT IN ROW (11)					
	18.9%							
14	TYPE OF REPORTING PERSON							

			5					
 -			FICATION NOS. OF ABOVE PERSONS (entities only))				
	Nierenber	Nierenberg Investment Management Offshore, Inc.						
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) (a) [X] (b) []							
 3	SEC USE C	DNLY						
	SOURCE OF	F FUNI	DS (See Instructions)					
	WC							
)			DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED IEMS 2(d) or 2(e)		[]			
5	CITIZENSE	HIP OF	R PLACE OF ORGANIZATION					
 NU	Bahamas JMBER OF SHARES		SOLE VOTING POWER					
 NU SENI	Bahamas JMBER OF	7						
NI SENI OI REI	Bahamas JMBER OF SHARES EFICIALLY WNED BY	7	SOLE VOTING POWER 0					
SENI OV REI	Bahamas JMBER OF SHARES EFICIALLY WNED BY EACH PORTING	7	SOLE VOTING POWER 0 SHARED VOTING POWER					
NI SENI OV REI	Bahamas JMBER OF SHARES EFICIALLY WNED BY EACH PORTING PERSON	7 8	SOLE VOTING POWER 0 SHARED VOTING POWER 957,628 common shares (4.4%)					
NI SENI OV REI	Bahamas JMBER OF SHARES EFICIALLY WNED BY EACH PORTING PERSON	7 8	SOLE VOTING POWER 0 SHARED VOTING POWER 957,628 common shares (4.4%) SOLE DISPOSITIVE POWER					
NI SENI OV REI	Bahamas JMBER OF SHARES EFICIALLY WNED BY EACH PORTING PERSON	7 8 9	SOLE VOTING POWER 0 SHARED VOTING POWER 957,628 common shares (4.4%) SOLE DISPOSITIVE POWER 0					
NI SENI OI REI	Bahamas JMBER OF SHARES EFICIALLY WNED BY EACH PORTING PERSON WITH	7 8 9 10	SOLE VOTING POWER 0 SHARED VOTING POWER 957,628 common shares (4.4%) SOLE DISPOSITIVE POWER 0 SHARED DISPOSITIVE POWER					
NU SENI OV REI	Bahamas JMBER OF SHARES EFICIALLY WNED BY EACH PORTING PERSON WITH AGGREGATE For the r	7 8 9 10 2 AMOI	SOLE VOTING POWER 0 SHARED VOTING POWER 957,628 common shares (4.4%) SOLE DISPOSITIVE POWER 0 SHARED DISPOSITIVE POWER 957,628 common shares					
NU SENI OV REI I	Bahamas JMBER OF SHARES EFICIALLY WNED BY EACH PORTING PERSON WITH AGGREGATE For the r all repor	7 8 9 10 E AMOU ceport cting	SOLE VOTING POWER 0 SHARED VOTING POWER 957,628 common shares (4.4%) SOLE DISPOSITIVE POWER 0 SHARED DISPOSITIVE POWER 957,628 common shares JNT BENEFICIALLY OWNED BY EACH REPORTING PERSO ting person listed on this page, 957,628; for					

	18.9%	
14	TYPE OF REPORTING PERSON	
	PN	
		6

This Amendment No. 10 to Schedule 13D (this "Amendment") amends the below-indicated items from the Schedule 13D previously filed by or on behalf of the undersigned parties (the "Reporting Persons") (the "Schedule 13D"), by supplementing such Items with the information below:

Item 4. Purpose of Transaction

The Street threw BABY out with the bathwater after the company missed consensus earnings estimates by a penny on March 3. Over the next five trading days, until its intra-day low May 9, BABY's share price fell 19%. We concluded that this sell-off was excessive; therefore, we bought 225,000 more shares on May 9, 2007.

In addition to being BABY's largest shareholder today, the President of our General Partner has been an investor in BABY since 1989 and served on its Board of Directors from 1989-2005. We believe that the company has strong management and governance, an enviable market share in its newborn hearing screening business, substantial recurring revenues, exciting new products, and a proven growth strategy, which combines 10%+ organic growth with shrewd acquisitions.

Jim Hawkins, BABY'S CEO, has an excellent track record finding, making, and assimilating acquisitions. He consummated six at his prior company and five so far at BABY. Typically BABY acquires companies at a small premium to their revenue run rates. The acquisitions have been immediately accretive. Investors should remember several things about BABY's acquisition plans: Mr. Hawkins has said on each of his last two earnings calls that he intends to resume making acquisitions in the second half of this year and that he expects, through acquisitions and organic growth, to exit 2008 at a \$250 million revenue run rate. If he were to buy \$50 million of incremental revenue in the second half of this year, so that his year end 2007 revenue run rate were approximately \$170 million, and if the market were to value BABY at three times that revenue run rate, BABY's market cap could end this year at over \$500 million, approximately \$22 per share (assuming two million more shares).

Given the company's rapid recent growth, and its excellent growth prospects, we support management's recent decisions to invest in infrastructure to better manage the growth and to invest in new hearing and neurology products, even at the expense of a penny per share in the March quarter.

In closing, we note one additional possible reason for BABY's earnings miss, something nobody mentioned on the May 3 earnings call, and one for which we believe BABY itself is blameless. In the company's proxy statement for its 2007 annual meeting, BABY disclosed that its 2006 audit and audit related bill from Deloitte & Touche had ballooned from \$584,000 in 2005 to \$1.369 million! We suspect that some of this expense may have impacted BABY's first quarter 2007 results.

Deloitte & Touche's 2006 charges strike us as extraordinary and excessive for a company as small as BABY: to extract \$1.369 million to audit a company with only \$90 million of revenues is outrageous. In the post-Sarbanes-Oxley world we find ourselves in today, too many audit firms are abusing their oligopolistic pricing power to the detriment of their clients and their clients' shareholders. We will

7

America's companies and our capital markets. We are voting all of our shares against the reappointment of Deloitte & Touche as BABY's auditor. We urge BABY's board and management to return audit costs to 2005 levels, with or without Deloitte. We do not blame BABY's management and board for this problem; the problem is much bigger than this small company. BABY should not be thrown out which the bathwater just because Deloitte gave it a bath.

By reporting the information contained in this Amendment, the Reporting Persons do not intend to solicit, nor are they soliciting, proxies or consents from, nor seeking or requesting any other action by, any of the other stockholders of BABY.

The previous statements as to the views of the Reporting Persons regarding their investment in BABY represent solely their own analyses and judgments, based on publicly-available information and their own internal evaluation thereof. Those statements are not intended, and should not be relied on, as investment advice to any other investor or prospective investor. To the extent those statements reflect assessments of possible future developments, those assessments are inherently subject to the uncertainties associated with all assessments of future events; actual developments may materially differ as a result of circumstances affecting BABY and/or extrinsic factors such as developments in the company's industry and the economic environment. The Reporting Persons reserve the right to change their internal evaluation of this investment in the future, as well as to increase or decrease their investment depending on their evaluation, without further 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 4,083,914 common shares, constituting approximately 18.9% of the outstanding Shares.

(c) During the past sixty (60) days the following purchases of Shares were made by D3 Family Funds in open market transactions:

Fund	Transaction Date	Shares Bought	Price
D3 Family Fund, L.P	5/9/2007	12,720	14.86
D3 Family Bulldog, LP	5/9/2007	146,810	14.86
DIII Offshore Fund, LP	5/9/2007	65,470	14.86

Item 6. Material to be filed as Exhibits

Exhibit 1 to this Amendment is the joint filing agreement pursuant to which all of the filing persons have authorized the filing of this Amendment as a group.

8

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, each of the

undersigned certifies that the information complete and correct.	set forth in the Statement is true,
	D3 Family Fund, L.P., and D3 Bulldog Fund, L.P.,
	By: Nierenberg Investment Management Company, Inc.
May 14, 2007	Its: General Partner By: /s/ David Nierenberg
	David Nierenberg, President
	DIII Offshore Fund, L.P.
	By: Nierenberg Investment Management Offshore, Inc.
	Its: General Partner
May 14, 2007	By: /s/ David Nierenberg
	David Nierenberg, President
	Nierenberg Investment Management Company, Inc.
May 14, 2007	By: /s/ David Nierenberg
	David Nierenberg, President
	Nierenberg Investment Management Offshore, Inc.
May 14, 2007	By: /s/ David Nierenberg
	David Nierenberg, President

9

Exhibit 1

JOINT FILING AGREEMENT

WHEREAS, the undersigned (collectively, the "Reporting Persons") from time to time make filings with the Securities and Exchange Commission pursuant to Regulation 13D-G under the Securities Exchange Act of 1934, as amended; and

WHEREAS, the Reporting Persons prefer to make joint filings on behalf of all Reporting Persons rather than individual filings on behalf of each of the Reporting Persons;

NOW, THEREFORE, the undersigned hereby agree as follows with each of the other Reporting Persons:

1. Each of the Reporting Persons is individually eligible to make joint filings.

2. Each of the Reporting Persons is responsible for timely making joint

filings and any amendments thereto.

3. Each of the Reporting Persons is responsible for the completeness and accuracy of the information concerning such person contained in joint filings.

4. None of the Reporting Persons is responsible for the completeness or accuracy of the information concerning the other Reporting Persons contained in joint filings, unless such person knows or has reason to believe that such information is inaccurate.

5. This Joint Filing Agreement amends, restates and supersedes the Joint Filing Agreement dated July 5, 2006 by and among the undersigned, D(3) Children's Fund, L.P. and D(3) Family Retirement Fund, L.P.

10

6. The undersigned agree that each joint filing made on or after the date hereof will be, and any amendment thereto will be, made on behalf of each of the Reporting Persons.

D3 Family Fund, L.P., and D3 Bulldog Fund, L.P. By: Nierenberg Investment Management

Its: General Partner

Company, Inc.

- By: /s/ David Nierenberg
 - David Nierenberg, President
- DIII Offshore Fund, L.P.
- By: Nierenberg Investment Management Offshore, Inc.
- Its: General Partner
- By: /s/ David Nierenberg
- David Nierenberg, President
- Nierenberg Investment Management Company, Inc.
- By: /s/ David Nierenberg

David Nierenberg, President

Nierenberg Investment Management Offshore, Inc.

By: /s/ David Nierenberg

David Nierenberg, President

11

July 24, 2006

July 24, 2006

July 24, 2006

July 24, 2006