PENTAIR plc Form SC 13D June 30, 2015

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

SCHEDULE 13D Under the Securities Exchange Act of 1934

(Amendment No.)*

PENTAIR PLC (Name of Issuer)

Ordinary Shares, nominal value \$0.01 per share (Title of Class of Securities)

G7S00T 104 (CUSIP Number)

Brian L. Schorr, Esq. Trian Fund Management, L.P. 280 Park Avenue, 41st Floor New York, New York 10017 Tel. No.: (212) 451-3000

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

June 23, 2015 (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 which is the subject of this Schedule 13D, and is filing this schedule because of §§ 240.13d-1(e), 240.13d-1(f) or 240.13d-1(g), check the following box ".

Note: Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See Rule 13d-7 for other parties to whom copies are to be sent.

*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 disclosures provided in a prior cover page.

The Information required on 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).

1	NAME OF REPORTIN S.S. OR I.R.S. IDENTIN Nelson Peltz	NG PERSON IFICATION NO. OF AE	BOVE PERSON		
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP				
3	SEC USE ONLY			(b) [_]	
4	SOURCE OF FUNDS				
	AF				
5			PROCEEDINGS IS REQUIRED PURSUANT	[_]	
6	TO ITEMS 2(d) or 2(e)) ACE OF ORGANIZATI			
6	United States	ACE OF ORGANIZATI	ION		
	Office States	7	SOLE VOTING POWER		
			0		
		0	SUADED VOTING DOWED		
NUM	BER OF SHARES	8	SHARED VOTING POWER 13,005,377		
	CIALLY OWNED BY		13,003,377		
EACH REPORTING PERSON		9	SOLE DISPOSITIVE POWER		
	WITH		0		
		10	SHARED DISPOSITIVE POWER 13,005,377		
11	AGGREGATE AMOU	INT BENEFICIALLY C	WNED BY EACH REPORTING PERSON		
	13,005,377				
12	CHECK BOX IF THE	AGGREGATE AMOU	NT IN ROW (11) EXCLUDES CERTAIN	[]	
	SHARES				
13	PERCENT OF CLASS	REPRESENTED BY A	MOUNT IN ROW (11)		
	7.24%*				
14	TYPE OF REPORTIN	G PERSON			

*Calculated based on 179,638,771 ordinary shares outstanding as of March 28, 2015, as reported in the Issuer's Quarterly Report on Form 10-Q for the quarter ended March 28, 2015 (the "Form 10-Q").

1	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON Peter W. May				
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP				
3 4	SEC USE ONLY SOURCE OF FUNDS AF				
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e)				
6	CITIZENSHIP OR PL		ΠΟΝ		
	United States	7	SOLE VOTING POWER 0		
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH		8	SHARED VOTING POWER 13,005,377		
		9	SOLE DISPOSITIVE POWER 0		
		10	SHARED DISPOSITIVE POWER 13,005,377		
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 13,005,377				
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN [SHARES			[]	
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 7.24%*				
14	TYPE OF REPORTIN IN	G PERSON			

1	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON Edward P. Garden					
2	CHECK THE APPRO	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP				
3	SEC USE ONLY			(b) [_]		
4	SOURCE OF FUNDS					
	AF					
5	CHECK BOX IF DISC	CLOSURE OF	LEGAL PROCEEDINGS IS REQUIRED PURSUANT	[_]		
	TO ITEMS 2(d) or 2(e	·				
6	CITIZENSHIP OR PL	ACE OF ORC	GANIZATION			
	United States	7	SOLE VOTING DOWED			
		7	SOLE VOTING POWER 0			
		8	SHARED VOTING POWER			
NU	MBER OF SHARES	0	13,005,377			
	FICIALLY OWNED BY					
EACH	REPORTING PERSON	9	SOLE DISPOSITIVE POWER			
	WITH		0			
		10	SHARED DISPOSITIVE POWER 13,005,377			
11	AGGREGATE AMOU 13,005,377	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 13,005,377				
12		CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN				
13		SHARES PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 7.24%*				
14	TYPE OF REPORTIN	IG PERSON				

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1	NAME OF REPORTING PERSON Trian Fund Management, L.P.					
	S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON 20-3454182					
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP					
3 4	SEC USE ONLY SOURCE OF FUNDS AF					
5			PROCEEDINGS IS REQUIRED PURSUANT	[_]		
6		ACE OF ORGANIZATI	ON			
		7	SOLE VOTING POWER 0			
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH		8	SHARED VOTING POWER 13,005,377			
		9	SOLE DISPOSITIVE POWER 0			
		10	SHARED DISPOSITIVE POWER 13,005,377			
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 13,005,377					
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN [] SHARES			[]		
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 7.24%*					
14	TYPE OF REPORTING PN	G PERSON				

1	NAME OF REPORTING PERSON Trian Fund Management GP, LLC					
	S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON 20-3454087					
2	CHECK THE APPRO	PRIATE BOX IF A ME	MBER OF A GROUP	(a) [] (b) [_]		
3	SEC USE ONLY					
4	SOURCE OF FUNDS AF					
5	CHECK BOX IF DISC TO ITEMS 2(d) or 2(e		PROCEEDINGS IS REQUIRED PURSUANT	[_]		
6	CITIZENSHIP OR PL	ACE OF ORGANIZATI	ION			
	Delaware					
		7	SOLE VOTING POWER 0			
NUMBER OF SHARES BENEFICIALLY OWNED BY		8	SHARED VOTING POWER 13,005,377			
	ORTING PERSON	9	SOLE DISPOSITIVE POWER 0			
		10	SHARED DISPOSITIVE POWER 13,005,377			
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 13,005,377					
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN					
13	SHARES PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 7.24%*					
14	TYPE OF REPORTING PERSON OO					

1	NAME OF REPORTING PERSON Trian Partners Master Fund (ERISA), L.P.					
	S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON 98-0682467					
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP					
3	SEC USE ONLY			(b) [_]		
4	SOURCE OF FUNDS					
_	WC					
5	TO ITEMS 2(d) or 2(e)		PROCEEDINGS IS REQUIRED PURSUANT	[_]		
6		, ACE OF ORGANIZATI	ON			
-	Cayman Islands					
		7	SOLE VOTING POWER 0			
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH		8	SHARED VOTING POWER 182,740			
		9	SOLE DISPOSITIVE POWER 0			
		10	SHARED DISPOSITIVE POWER 182,740			
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 182,740					
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN [X] SHARES					
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 0.10%*					
14	TYPE OF REPORTING PERSON PN					

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NAME OF REPORTING PERSON Trian Partners, L.P.					
S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON 20-3453988					
CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP					
SEC USE ONLY SOURCE OF FUNDS WC					
		ROCEEDINGS IS REQUIRED PURSUANT	[_]		
		ON			
	7	SOLE VOTING POWER 0			
ER OF SHARES ALLY OWNED BY	8	SHARED VOTING POWER 2,670,342			
PORTING PERSON WITH	9	SOLE DISPOSITIVE POWER 0			
	10	SHARED DISPOSITIVE POWER 2,670,342			
AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 2,670,342					
			[X]		
PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 1.49%*					
TYPE OF REPORTING	G PERSON				
	rian Partners, L.P. .S. OR I.R.S. IDENTI 0-3453988 HECK THE APPROF EC USE ONLY OURCE OF FUNDS VC HECK BOX IF DISC O ITEMS 2(d) or 2(e) ITIZENSHIP OR PLA belaware ER OF SHARES ALLY OWNED BY ORTING PERSON WITH GGREGATE AMOU ,670,342 HECK BOX IF THE HARES ERCENT OF CLASS .49%*	rian Partners, L.P. S. OR I.R.S. IDENTIFICATION NO. OF AB 0-3453988 HECK THE APPROPRIATE BOX IF A MEN EC USE ONLY OURCE OF FUNDS VC HECK BOX IF DISCLOSURE OF LEGAL P O ITEMS 2(d) or 2(e) TTIZENSHIP OR PLACE OF ORGANIZATION Pelaware 7 8 ER OF SHARES ALLY OWNED BY ORTING PERSON 9 WITH 10 GGREGATE AMOUNT BENEFICIALLY O 670,342 HECK BOX IF THE AGGREGATE AMOUN HARES ERCENT OF CLASS REPRESENTED BY A 49%* YPE OF REPORTING PERSON	rian Partners, L.P. S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON 0-3453988 HECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP EC USE ONLY OURCE OF FUNDS /// HECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT O ITEMS 2(d) or 2(e) ITTIZENSHIP OR PLACE OF ORGANIZATION relaware 7 SOLE VOTING POWER 0 8 SHARED VOTING POWER 0 8 SHARED VOTING POWER 2,670,342 MLY OWNED BY ORTING PERSON 9 SOLE DISPOSITIVE POWER 10 SHARED DISPOSITIVE POWER 2,670,342 GGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 670,342 HECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN HARES ERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 49%* YPE OF REPORTING PERSON		

1	NAME OF REPORTING PERSON Trian Partners Master Fund, L.P.					
	S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON 98-0468601					
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP					
3 4	SEC USE ONLY SOURCE OF FUNDS WC	SOURCE OF FUNDS				
5	CHECK BOX IF DISC TO ITEMS 2(d) or 2(e		PROCEEDINGS IS REQUIRED PURSUANT	[_]		
6		ACE OF ORGANIZAT	ION			
	Cayman Islands	7	SOLE VOTING POWER 0			
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH		8	SHARED VOTING POWER 5,959,332			
		9	SOLE DISPOSITIVE POWER 0			
		10	SHARED DISPOSITIVE POWER 5,959,332			
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 5,959,332					
12	CHECK BOX IF THE SHARES	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN [X]				
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 3.32%*					
14	TYPE OF REPORTIN PN	G PERSON				