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

SCHEDULE 13D Under the Securities Exchange Act of 1934

(Amendment No. 6)*

INGERSOLL-RAND PLC (Name of Issuer)

Ordinary Shares, \$1.00 par value (Title of Class of Securities)

G47791101 (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

Debra Smith
California State Teachers' Retirement System
100 Waterfront Place, MS 04
West Sacramento, CA 95605
Tel. No.: (916) 414-7551

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

February 11, 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 REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON					
2	Nelson Peltz CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP					
3	SEC USE ONLY					
4	SOURCE OF FUNDS					
	AF					
5			PROCEEDINGS IS REQUIRED PURSUANT	[_]		
6	TO ITEMS 2(d) or 2(e CITIZENSHIP OR PL		TION			
6	United States	ACE OF ORGANIZA	HON			
	omed states	7	SOLE VOTING POWER			
		8	SHARED VOTING POWER			
NUM	BER OF SHARES		14,616,766			
	CIALLY OWNED BY					
EACH R	EPORTING PERSON	9	SOLE DISPOSITIVE POWER			
	WITH	10				
		10	SHARED DISPOSITIVE POWER 14,616,766			
11	AGGREGATE AMOU	JNT BENEFICIALLY	OWNED BY EACH REPORTING PERSON			
	14,616,766					
12	CHECK BOX IF THE SHARES	AGGREGATE AMO	UNT IN ROW (11) EXCLUDES CERTAIN	[x]		
13		S REPRESENTED BY	AMOUNT IN ROW (11)			
-	5.51%*					
14	TYPE OF REPORTIN	IG PERSON				
	1 1 265 471 070			,		

^{*}Calculated based on 265,471,878 ordinary shares outstanding as of October 10, 2014, as reported in the Issuer's Quarterly Report on Form 10-Q for the quarter ended September 30, 2014 (the "Form 10-Q").

1	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON			
2	Peter W. May CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP			
3	SEC USE ONLY			
4	SOURCE OF FUNDS AF			
5	CHECK BOX IF DISC TO ITEMS 2(d) or 2(e		L PROCEEDINGS IS REQUIRED PURSUANT	[_]
6	CITIZENSHIP OR PL	ACE OF ORGANIZA	TION	
	United States			
		7	SOLE VOTING POWER 0	
		8	SHARED VOTING POWER	
	IBER OF SHARES		14,616,766	
	CIALLY OWNED BY			
EACH R	EPORTING PERSON	9	SOLE DISPOSITIVE POWER	
	WITH	10		
		10	SHARED DISPOSITIVE POWER 14,616,766	
11	AGGREGATE AMOU	UNT BENEFICIALLY	OWNED BY EACH REPORTING PERSON	
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES			[x]
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 5.51%*			
14	TYPE OF REPORTIN	IG PERSON		

^{*} Calculated based on 265,471,878 ordinary shares outstanding as of October 10, 2014 as reported in the Form 10-Q.

1	NAME OF REPORTING		DOVE DEDCOM		
	S.S. OR I.R.S. IDEN I. Edward P. Garden	IFICATION NO. OF AI	BOVE PERSON		
2	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 TO ITEMS 2(d) or 2(e		PROCEEDINGS IS REQUIRED PURSUANT	[_]	
6	CITIZENSHIP OR PL	ACE OF ORGANIZAT	ION		
	United States	_			
		7	SOLE VOTING POWER		
		8	SHARED VOTING POWER		
	BER OF SHARES	O	14,616,766		
	CIALLY OWNED BY	9	SOLE DISPOSITIVE POWER		
EACH R	EPORTING PERSON		0		
WITH		10	SHARED DISPOSITIVE POWER 14,616,766		
11	AGGREGATE AMOU 14,616,766	JNT BENEFICIALLY (OWNED BY EACH REPORTING PERSON		
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN [x] SHARES				
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)				
14	5.51%* TYPE OF REPORTING PERSON IN				

^{*} Calculated based on 265,471,878 ordinary shares outstanding as of October 10, 2014 as reported in the Form 10-Q.

1	Trian Fund Manageme	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	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	e)			
6	CITIZENSHIP OR PL	ACE OF O	RGANIZATION		
	Delaware				
		7	SOLE VOTING POWER		
			0		
	NUMBER OF SHARES	8	SHARED VOTING POWER		
Е	BENEFICIALLY OWNED BY		14,616,766		
E	EACH REPORTING PERSON	9	SOLE DISPOSITIVE POWER		
	WITH	10	0 SHARED DISPOSITIVE POWER		
		10	14,616,766		
			14,010,700		
11	AGGREGATE AMOU	JNT BENE	FICIALLY OWNED BY EACH REPORTING PERSON		
	14,616,766				
12		AGGREG	ATE AMOUNT IN ROW (11) EXCLUDES CERTAIN	[x]	
	SHARES				
13		S REPRESE	ENTED BY AMOUNT IN ROW (11)		
	5.51%*				
14	TYPE OF REPORTING PERSON PN				

^{*} Calculated based on 265,471,878 ordinary shares outstanding as of October 10, 2014 as reported in the Form 10-Q.

1	NAME OF REPORTING Trian Fund Managemer S.S. OR I.R.S. IDENT 20-3454087		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	[_]
	TO ITEMS 2(d) or 2(e	ž		
6		ACE OF ORGANIZAT	TION	
	Delaware	7	COLE VOTING POWED	
		7	SOLE VOTING POWER 0	
		8	SHARED VOTING POWER	
	IBER OF SHARES	O	14,616,766	
	CIALLY OWNED BY	9	SOLE DISPOSITIVE POWER	
EACH R	EPORTING PERSON		0	
	WITH	10	SHARED DISPOSITIVE POWER	
			14,616,766	
11	ACCRECATE AMOL	INT RENEFICIALLY	OWNED BY EACH REPORTING PERSON	
11	14,616,766	ONI BENEFICIALLI	OWNED BY EACH REFORTING PERSON	
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN [x] SHARES			
13	·-	S REPRESENTED BY	AMOUNT IN ROW (11)	
-	5.51%*			
14	14 TYPE OF REPORTING PERSON			
	00			

^{*} Calculated based on 265,471,878 ordinary shares outstanding as of October 10, 2014 as reported in the Form 10-Q.

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		PRIATE BOX IF A ME	MBER OF A GROUP	(a) [] (b) [_]
3	SEC USE ONLY			(0)[_]
4	SOURCE OF FUNDS			
	WC			
5	CHECK BOX IF DISC	CLOSURE OF LEGAL 1	PROCEEDINGS IS REQUIRED PURSUANT	[_]
	TO ITEMS 2(d) or 2(e)		
6	CITIZENSHIP OR PL	ACE OF ORGANIZAT	ION	
	Cayman Islands			
		7	SOLE VOTING POWER	
			0	
	IBER OF SHARES	8	SHARED VOTING POWER	
	CIALLY OWNED BY		130,086#	
EACH F	REPORTING PERSON	9	SOLE DISPOSITIVE POWER	
	WITH		0	
		10	SHARED DISPOSITIVE POWER 130,086#	
11	AGGREGATE AMOU 130,086#	JNT BENEFICIALLY (OWNED BY EACH REPORTING PERSON	
12	,	AGGREGATE AMOU	NT IN ROW (11) EXCLUDES CERTAIN	[X]
	SHARES			. ,
13	PERCENT OF CLASS	S REPRESENTED BY A	AMOUNT IN ROW (11)	
	0.05%*		• •	
14	TYPE OF REPORTIN	G PERSON		
	PN			

^{*} Calculated based on 265,471,878 ordinary shares outstanding as of October 10, 2014 as reported in the Form 10-Q.

[#] All 130,086 shares have been contributed to Trian IR Holdco Ltd., pursuant to a Contribution Agreement dated June 15, 2012, as described in Item 5 herein.

1	NAME OF REPORTING PERSON Trian Partners, L.P.				
	S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON				
2	20-3453988	PRIATE BOX IF A ME	MDED OF A CDOUD	(a) []	
2	CHECK THE APPRO	PRIATE DUX IF A ME	MIDER OF A GROUP	(a) [] (b) [_]	
3	SEC USE ONLY			(c) [_]	
4	SOURCE OF FUNDS				
	WC				
5			PROCEEDINGS IS REQUIRED PURSUANT	[_]	
	TO ITEMS 2(d) or 2(e	•	YOU		
6		ACE OF ORGANIZAT	ION		
	Delaware	7	SOLE VOTING POWER		
		1	0		
NUM	BER OF SHARES	8	SHARED VOTING POWER		
BENEFI	CIALLY OWNED BY		1,741,674#		
EACH R	EPORTING PERSON	9	SOLE DISPOSITIVE POWER		
	WITH		0		
		10	SHARED DISPOSITIVE POWER 1,741,674#		
11	AGGREGATE AMOU 1,741,674#	JNT BENEFICIALLY (DWNED BY EACH REPORTING PERSON		
12		AGGREGATE AMOU	NT IN ROW (11) EXCLUDES CERTAIN	[X]	
	SHARES				
13		S REPRESENTED BY A	AMOUNT IN ROW (11)		
	0.66%*				
14	TYPE OF REPORTIN PN	G PERSON			

^{*} Calculated based on 265,471,878 ordinary shares outstanding as of October 10, 2014 as reported in the Issuer's Form 10-Q.

^{# 1,438,121} of these shares have been contributed to Trian IR Holdco Ltd., pursuant to a Contribution Agreement dated June 15, 2012, as described in Item 5 herein.

T S	NAME OF REPORTING PERSON Trian Partners Master Fund, L.P. S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON 98-0468601			
-		PRIATE BOX IF A MEN	MBER OF A GROUP	(a) [] (b) [_]
3 S	SEC USE ONLY			(0)[_]
	SOURCE OF FUNDS			
V	WC			
5	CHECK BOX IF DISC	LOSURE OF LEGAL P	PROCEEDINGS IS REQUIRED PURSUANT	[_]
Γ	TO ITEMS 2(d) or 2(e)			
6	CITIZENSHIP OR PLA	ACE OF ORGANIZATI	ON	
	Cayman Islands			
		7	SOLE VOTING POWER	
			0	
	ER OF SHARES	8	SHARED VOTING POWER	
	ALLY OWNED BY		3,842,209#	
EACH REF	PORTING PERSON	9	SOLE DISPOSITIVE POWER	
	WITH		0	
		10	SHARED DISPOSITIVE POWER 3,842,209#	
	AGGREGATE AMOU 8,842,209#	NT BENEFICIALLY O	WNED BY EACH REPORTING PERSON	
12	· · ·	AGGREGATE AMOUN	NT IN ROW (11) EXCLUDES CERTAIN	[X]
13 F	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 1.45%*			
14 T	ΓΥΡΕ OF REPORTING PN	G PERSON		

^{*} Calculated based on 265,471,878 ordinary shares outstanding as of October 10, 2014 as reported in the Form 10-Q.

^{# 299,903} of these shares have been contributed to Trian IR Holdco Ltd., pursuant to a Contribution Agreement dated June 15, 2012, as described in Item 5 herein.

1	NAME OF REPORTING PERSON	
	Trian Partners Parallel Fund I, L.P.	
	S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON	
	20-3694154	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP	(a) []
2		(b) [_]