Zafari Robert Form 4 March 02, 2011

Share Units (4) 2011 - 2013

OMB APPROVAL FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION OMB 3235-0287 Washington, D.C. 20549 Number: Check this box January 31, Expires: if no longer 2005 STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF subject to Estimated average **SECURITIES** Section 16. burden hours per Form 4 or response... 0.5 Form 5 Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction 1(b). (Print or Type Responses) 1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Zafari Robert Issuer Symbol Ingersoll-Rand plc [IR] (Check all applicable) (First) (Middle) (Last) 3. Date of Earliest Transaction (Month/Day/Year) Director 10% Owner X_ Officer (give title Other (specify C/O INGERSOLL-RAND 02/28/2011 below) COMPANY, ONE CENTENNIAL Senior Vice President **AVENUE** (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting PISCATAWAY, NJ 08854 (City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 5. Amount of 1. Title of 2. Transaction Date 2A. Deemed 3. 4. Securities 6. 7. Nature of Security (Month/Day/Year) Execution Date, if TransactionAcquired (A) or Securities Ownership Indirect (Instr. 3) Code Disposed of (D) Beneficially Form: Direct Beneficial (Instr. 3, 4 and 5) (Month/Day/Year) (Instr. 8) Owned (D) or Ownership Indirect (I) (Instr. 4) Following Reported (Instr. 4) (A) Transaction(s) (Instr. 3 and 4) Code V Amount Price (D) 2009 - 2010 2,636 F Performance 02/28/2011 D \$0 0 D (2) Share Units (1) 2009 - 2011 Performance D 9,931 Share Units (3) 2010 - 2012 Performance 6,331 D

8,451

D

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Performance Share Units (5)

Ordinary Shares

(Restricted 8,075 D

Share Units)

(7)

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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SEC 1474

(9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Title ar	nd 8. Pric	ce of 9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	TransactionNumber		Expiration D	ate	Amount o	of Deriva	ative Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underlyin	ng Securi	ity Secu
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative Securities		Securities	s (Instr.	5) Bene	
	Derivative						(Instr. 3 a	nd 4)	Own	
	Security				Acquired					Follo
					(A) or					Repo
					Disposed					Trans
					of (D)					(Instr
					(Instr. 3,					
					4, and 5)					
								۸	m ovent	
									nount	
						Date E		or Title Nu	ımber	
						Exercisable	Exercisable Date		iiiibei	
				C + V	(A) (D)			of		
				Coae V	(A) (D)			Sha	ares	

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Zafari Robert C/O INGERSOLL-RAND COMPANY ONE CENTENNIAL AVENUE PISCATAWAY, NJ 08854

Senior Vice President

Signatures

/s/ Kenneth Yi -Attorney-in-Fact 03/02/2011

**Signature of Reporting Person Date

Reporting Owners 2

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Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- The actual number of vested Performance Shares were paid out as ordinary shares at approximately 0.8177 of the previously reported (1) target number. Following this net settlement transaction, the resulting net shares are now held directly as ordinary shares by the Reporting Person.
- (2) Represents shares forfeited pursuant to a net settlement procedure in connection with the vesting of Performance Share Units.
- Represents target number of Performance Shares. The actual number of shares to be issued, which could range from zero to two times the initial target amount, will depend upon the Issuer's financial performance during the relevant performance period relative to peer companies in the S&P 500 Industrial Index. The shares, if any, will be issued in the first quarter of 2012.
- Represents target number of Performance Shares. The actual number of shares to be issued, which could range from zero to two times the initial target amount, will depend upon the Issuer's financial performance during the relevant performance period relative to peer companies in the S&P 500 Industrial Index. The shares, if any, will be issued in the first quarter of 2013.
- Represents target number of Performance Shares. The actual number of shares to be issued, which could range from zero to two times the initial target amount, will depend upon the Issuer's financial performance during the relevant performance period relative to peer companies in the S&P 500 Industrial Index. The shares, if any, will be issued in the first quarter of 2014.
- (6) Includes the ordinary shares acquired pursuant to the net settlement procedure for the vested Performance Share Units (described in this filing).
- (7) Restricted Share Units vest in three (3) equal annual installments beginning on the first anniversary of the date of grant. Upon vesting, each unit is convertible into one (1) ordinary share of the Issuer.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.