SPIRENT PLC Form 6-K September 29, 2005

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

FORM 6-K

REPORT OF FOREIGN PRIVATE ISSUER PURSUANT TO RULE 13a-16 OR 15d-16 UNDER THE SECURITIES EXCHANGE ACT OF 1934

For the month of September, 2005 SPIRENT plc (Translation of registrant's name into English) Spirent House, Crawley Business Quarter, Fleming Way, Crawley, West Sussex RH10 9QL, UK. (Address of principal executive offices) Indicate by check mark whether the registrant files or will file annual reports under cover Form 20-F or Form 40-F. Form 20-F X Form 40-F.... Indicate by check mark whether the registrant by furnishing the information contained in this Form is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934. Yes No If "Yes" is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b): 82-NOTIFICATION OF MAJOR INTERESTS IN SHARES 1. Name of listed company SPIRENT PLC 2. Name of shareholder with a major interest

3. Please state whether notification indicates that regarding the holding of the $\ensuremath{\text{0}}$

FIDELITY INTERNATIONAL LIMITED

shareholder named in 2 above; in respect of a non-beneficial interest; or in the case of an individual holder if it is a holding of that person's spouse or children under the age of 18

SHAREHOLDER IN 2 ABOVE AND ITS DIRECT AND INDIRECT SUBSIDIARIES, BEING NON-BENEFICIAL HOLDERS

 $4.\ \text{Name}$ of the registered holder(s) and, if more than one holder, the number of shares held by each of them

JP MORGAN BOURNEMOUTH (FPM)	8,348,414
STATE STR BK AND TR CO LNDN (FPM)	6,940,209
NORTHERN TRUST LONDON (FPM)	6,389,700
HSBC BANK PLC (FPM)	1,676,200
MELLON BANK (FPM)	1,651,600
BANK OF NEW YORK BRUSSELS (FPM)	1,621,800
BANKERS TRUST LONDON (FPM)	823,500
MIDLAND SECURITIES SERVICES (FPM)	415,500
CLYDESDALE BANK PLC (FPM)	130,700
JP MORGAN BOURNEMOUTH (FISL)	23,968,276
BROWN BROS HARRIMN LTD LUX (FIL)	23,970,494
JP MORGAN, BOURNEMOUTH (FIL)	665,200
BANK OF NEW YORK BRUSSELS (FIL)	415,700
NORTHERN TRUST LONDON (FIL)	105,300
JP MORGAN, BOURNEMOUTH (FII)	1,192,800
TOTAL	78,315,393

FPM = Fidelity Pension Management
FISL = Fidelity Investment Services Limited
FIL = Fidelity International Limited
FII = Fidelity Investments International

5. Number of shares / amount of stock acquired

NOT KNOWN

6. Percentage of issued class (any treasury shares held by the listed company should not be taken into account when calculating percentage) $\frac{1}{2}$

NOT KNOWN

7. Number of shares / amount of stock disposed

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8. Percentage of issued class (any treasury shares held by the listed company should not be taken into account when calculating percentage)
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9. Class of security
ORDINARY SHARES OF 3.3333 PENCE EACH
10. Date of transaction
NOT KNOWN
11. Date company informed
28 SEPTEMBER 2005
12. Total holding following this notification
78,315,393
13. Total percentage holding of issued class following this notification (any treasury shares held by the listed company should not be taken into account when calculating percentage)
8.11%
14. Any additional information
ON 28 SEPTEMBER 2005 THE SHAREHOLDER REPORTED TO THE COMPANY THAT IT HAD REDUCED ITS HOLDING IN THE COMPANY FROM 77,397,971 SHARES (8.02%) TO A HOLDING OF 76,839,571 SHARES (7.96%). THE SHAREHOLDER THEN LATER ON 28 SEPTEMBER 2005 REPORTED TO THE COMPANY THAT IT HAD INCREASED ITS HOLDING TO 78,315,393

15. Name of contact and telephone number for queries

LUKE THOMAS - 01293 767658

SHARES (8.11%) AS SHOWN ABOVE.

16. Name and signature of duly authorised responsible for making this notification	company official of the listed company	
LUKE THOMAS - DEPUTY COMPANY SECRETARY		
Date of notification		
29 SEPTEMBER 2005		
Signate	ires	
Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.		
	LUKE THOMAS	
	(Registrant)	
Date 29 September, 2005	By/s/ Luke Thomas	
	(Signature)*	