SPIRENT PLC Form 6-K December 19, 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 December, 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

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. 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)	4,551,093
NORTHERN TRUST LONDON (FPM)	3,893,100
MELLON BANK (FPM)	1,483,900
BANK OF NEW YORK BRUSSELS (FPM)	1,232,100
STATE STR BK AND TR CO LNDN (FPM)	1,055,400
BANKERS TRUST LONDON (FPM)	823,500
MIDLAND SECURITIES SERVICES (FPM)	371,200
CLYDESDALE BANK PLC (FPM)	118,700
JP MORGAN BOURNEMOUTH (FISL)	24,422,687
BROWN BROS HARRIMN LTD LUX (FIL)	35,038,433
BANK OF NEW YORK BRUSSELS (FIL)	415,700
NORTHERN TRUST LONDON (FIL)	136,100
JP MORGAN, BOURNEMOUTH (FII)	1,395,500
BNP PARIBAS, PARIS (FIGEST)	521,500
TOTAL	75,458,913

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

5. Number of shares / amount of stock acquired

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6. 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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7. Number of shares / amount of stock disposed

NOT KNOWN

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
- 16 DECEMBER 2005
- 12. Total holding following this notification

75,458,913

- 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)
- 7.81%
- 14. Any additional information

ON 09 DECEMBER 2005 THE SHAREHOLDER REPORTED TO THE COMPANY THAT IT HAD INCREASED ITS HOLDING IN THE COMPANY TO 97,485,796 SHARES (10.09%).

15. Name of contact and telephone number for queries

MICHAEL ANSCOMBE - 01293 767672

16. Name and signature of duly authorised company official of the listed company responsible for making this notification $\frac{1}{2}$

MICHAEL ANSCOMBE - ASSISTANT COMPANY SECRETARY		
Date of notification		
19 DECEMBER 2005		
Signatures		
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 19 December, 2005	By/s/ Luke Thomas	
	(Signature)*	