SPIRENT PLC Form 6-K December 12, 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

2. Name of shareholder with a major interest

SPIRENT PLC

FIDELITY INTERNATIONAL LIMITED

3. Please state whether notification indicates that regarding the holding of the 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)	9,686,114
STATE STR BK AND TR CO LNDN (FPM)	8,529,809
NORTHERN TRUST LONDON (FPM)	8,123,100
BANK OF NEW YORK BRUSSELS (FPM)	1,682,600
HSBC BANK PLC (FPM)	1,675,400
MELLON BANK (FPM)	1,663,300
BANKERS TRUST LONDON (FPM)	823 , 500
MIDLAND SECURITIES SERVICES (FPM)	371,200
CLYDESDALE BANK PLC (FPM)	118,700
JP MORGAN BOURNEMOUTH (FISL)	28,578,587
BROWN BROS HARRIMN LTD LUX (FIL)	33,975,986
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)	310,200
TOTAL	97,485,796

= Fidelity Pension Management

FISL = Fidelity Investment Services Limited

= Fidelity International Limited = Fidelity Investments International

FIGEST = Fidelity Gestion

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)

NOT KNOWN

7. Number of shares / amount of stock disposed
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
09 DECEMBER 2005
12. Total holding following this notification
97,485,796
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)
10.09%
14. Any additional information
ON 11 NOVEMBER 2005 THE SHAREHOLDER REPORTED TO THE COMPANY THAT IT HAD INCREASED ITS HOLDING IN THE COMPANY TO 87,869,003 SHARES (9.10%).

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 corresponsible for making this notification	npany
MICHAEL ANSCOMBE - ASSISTANT COMPANY SECRETARY	
Date of notification	
12 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 12 December 2005 By/s/ Luke Thomas	
(Signature)*	