SPIRENT PLC Form 6-K June 28, 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

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 X

SCHEDULE 10

If "Yes" is marked, indicate below the file number assigned to the registrant

NOTIFICATION OF MAJOR INTERESTS IN SHARES

1. Name of company

SPIRENT PLC

2. Name of shareholder having a major interest

in connection with Rule 12g3-2(b): 82-

FIDELITY INTERNATIONAL LIMITED

3. Please state whether notification indicates that it is in respect of holding of the shareholder named in 2 above or 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

COMPANY NAMED IN BOX 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 (FII)	1,192,800
BANK OF NEW YORK BRUSSELS (FIL)	415,700
BROWN BROTHERS HARRIMN LTD LUX (FIL)	25,194,094
NORTHERN TRUST LONDON (FIL)	105,300
JP MORGAN BOURNEMOUTH (FISL)	22,068,976
BANK OF NEW YORK BRUSSELS (FPM)	1,999,100
BANKERS TRUST LONDON (FPM)	823,500
CLYDESDALE BANK PLC (FPM)	181,200
HSBC BANK PLC (FPM)	317,600
JP MORGAN BOURNEMOUTH (FPM)	5,071,331
MELLON BANK (FPM)	1,651,600
MIDLAND SECURITIES SERVICES (FPM)	415,500
NORTHERN TRUST LONDON (FPM)	3,845,700
STATE STR BK AND TR CO LNDN (FPM)	2,541,809
BROWN BROTHERS HARRIMAN AND CO (IN FORM OF 11,000 ADRS) (FMRCO)	44,000
TOTAL	65,868,210

FII = Fidelity Investments International
FIL = Fidelity International Limited
FISL = Fidelity Investment Services Limited
FPM = Fidelity Pension Management
FMRCO = Fidelity Management & Research Company

5. Number of shares / amount of stock acquired

NOT KNOWN

6. Percentage of issued class

NOT KNOWN
7. Number of shares / amount of stock disposed $\ensuremath{\mathrm{N/A}}$
8. Percentage of issued class
N/A
9. Class of security
ORDINARY SHARES OF 3.3333 PENCE EACH
10. Date of transaction
NOT KNOWN
11. Date company informed
27 JUNE 2005
12. Total holding following this notification
65,868,210
13. Total percentage holding of issued class following this notification
6.83%
14. Any additional information
SHAREHOLDER PREVIOUSLY REPORTED A SHAREHOLDING OF 54,811,296 SHARES (5.69% ON 27 JUNE 2005.
15. Name of contact and telephone number for queries

16. Name and signature of authorised company official responsible for making this notification $% \left(1\right) =\left(1\right) +\left(1\right) +\left($

LUKE THOMAS - 01293 767658

LUKE THOMAS - DEPUTY COMPANY SECRETARY

Date of notification

28 JUNE 2005

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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 28 June 2005	By/s/ Luke Thomas
	(Signature)*