

SECURITIES AND EXCHANGE COMMISSION

FORM 6-K

Current report of foreign issuer pursuant to Rules 13a-16 and 15d-16 Amendments

Filing Date: **2004-05-18** | Period of Report: **2004-05-18**
SEC Accession No. **0001191638-04-000916**

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FILER

SPIRENT PLC

CIK: **1130498** | IRS No.: **000000000**
Type: **6-K** | Act: **34** | File No.: **001-15206** | Film No.: **04814719**
SIC: **4813** Telephone communications (no radiotelephone)

Mailing Address	Business Address
<i>SPIRENT HOUSE CRAWLEY BUSINESS FLEMING WAY WEST SUSSEX WAY UNITED KINGDOM A1 RH102QL</i>	<i>SPIRENT HOUSE FLEMING WAY CRAWLEY WEST SUSSEX RH1-2QL UK A1 RH102QL 4412937676</i>

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 May, 2004

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

If "Yes" is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b): 82- _____

SCHEDULE 11

NOTIFICATION OF INTERESTS OF DIRECTORS AND CONNECTED PERSONS

1. Name of company

SPIRENT PLC

2. Name of director

FREDERICK D'ALESSIO

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 or in respect of a non-beneficial interest

IN RESPECT OF THE DIRECTOR'S HOLDING

4. Name of the registered holder(s) and, if more than one holder, the number of shares held by each of them (if notified)

NOT NOTIFIED

5. Please state whether notification relates to a person(s) connected with the director named in 2 above and identify the connected person(s)

N/A

6. Please state the nature of the transaction. For PEP transactions please indicate whether general/single co PEP and if discretionary/non discretionary

ACQUISITION OF SHARES

7. Number of shares / amount of stock acquired

7,000

8. Percentage of issued class

0.003%

9. Number of shares/amount of stock disposed

N/A

10. Percentage of issued class

N/A

11. Class of security

12. Price per share

2,300 ADRs AT \$4.08 PER ADR

4,700 ADRs AT \$4.10 PER ADR

13. Date of transaction

17 MAY 2004

14. Date company informed

17 MAY 2004

15. Total holding following this notification

7,000 ADRs

16. Total percentage holding of issued class following this notification

0.003%

If a director has been granted options by the company please complete the following boxes.

17. Date of grant

N/A

18. Period during which or date on which exercisable

N/A

19. Total amount paid (if any) for grant of the option

N/A

20. Description of shares or debentures involved: class, number

N/A

21. Exercise price (if fixed at time of grant) or indication that price is to be fixed at time of exercise

N/A

22. Total number of shares or debentures over which options held following this notification

N/A

23. Any additional information

THE COMPANY HAS ORDINARY SHARES EACH OF 3.3333 PENCE NOMINAL VALUE. THE ORDINARY SHARES ARE ALSO TRADED ON THE NEW YORK STOCK EXCHANGE IN THE FORM OF AMERICAN DEPOSITARY SHARES AND THESE ARE EVIDENCED BY AMERICAN DEPOSITARY RECEIPTS, EACH ONE OF WHICH REPRESENTS FOUR ORDINARY SHARES. THE ABOVE SHARES WERE PURCHASED IN THE FORM OF AMERICAN DEPOSITARY RECEIPTS.

24. Name of contact and telephone number for queries

LUKE THOMAS - 01293 767658

25. Name and signature of authorised company official responsible for making this notification

LUKE THOMAS - DEPUTY COMPANY SECRETARY

Date of Notification

18 MAY 2004

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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 18 May 2004

By _____/s/ Luke Thomas_____

(Signature) *