

TELEFONICA S A
Form 6-K
May 20, 2010

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FORM 6-K
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549
Report of Foreign Private Issuer
Pursuant to Rule 13a-16 or 15d-16
of the Securities Exchange Act of 1934
For the month of May, 2010
Commission File Number: 001-09531
Telefónica, S.A.
(Translation of registrant's name into English)
Distrito C, Ronda de la Comunicación s/n,
28050 Madrid, Spain
3491-482 85 48
(Address of principal executive offices)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F:
Form 20-F Form 40-F

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1):

Yes No

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7):

Yes No

Indicate by check mark whether by furnishing the information contained in this Form, the registrant 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): N/A

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RAMIRO SÁNCHEZ DE LERÍN GARCÍA-OVIES

*General Secretary and
Secretary of the Board of Directors*

TELEFÓNICA, S.A.

TELEFÓNICA, S.A. as provided in article 82 of the Spanish Securities Market Act (*Ley del Mercado de Valores*), hereby reports the following

SIGNIFICANT EVENT

Telefónica O2 Germany GmbH & Co OHG (Telefónica O2 Germany) has been granted two blocks in the 800 MHz spectrum at the German frequency auction. Telefónica O2 Germany also secured one block of 2.0 GHz and four blocks of 2.6 GHz.

The total investment in new frequencies by Telefónica O₂ Germany is 1,378,605,000 Euros.

Madrid, May 20, 2010.

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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.

Telefónica, S.A.

Date: May 20th, 2010

By: /s/ Ramiro Sánchez de Lerín García-Ovies

Name: Ramiro Sánchez de Lerín García-Ovies
Title: General Secretary and Secretary to the Board of Directors