

EDAP TMS SA  
Form 6-K  
December 16, 2009

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 2009

Commission File No.: 000-29374

EDAP TMS S.A.  
Parc Activite La Poudrette Lamartine  
4/6 Rue du Dauphine  
69120 Vaulx-en-Velin - France

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  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):

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):

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

This report on Form 6-K is hereby incorporated by reference in the following registration statements of EDAP TMS S.A. on Forms F-3: file numbers 333-136811, 333-147762 and 333-152738.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

Date: December 16, 2009  
EDAP TMS S.A.

/s/ MARC OCZACHOWSKI  
MARC OCZACHOWSKI  
CHIEF EXECUTIVE OFFICER

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