
**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**
Washington, D.C. 20549

SCHEDULE 13G

**Under the Securities Exchange Act of 1934
(Amendment No.)***

EDAP TMS S.A.
(Name of Issuer)

Ordinary Shares, nominal value €0.13 per share, in the form of American Depositary Shares
(Title of Class of Securities)

268311107
(CUSIP Number)

April 23, 2021
(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

Rule 13d-1(b)

Rule 13d-1(c)

Rule 13d-1(d)

* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

| | | |
|--|---|---|
| 1 | NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY) Soleus Capital Master Fund, L.P. | |
| 2 | CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS) (a) <input type="checkbox"/> (b) <input type="checkbox"/> | |
| 3 | SEC USE ONLY | |
| 4 | CITIZENSHIP OR PLACE OF ORGANIZATION Cayman Islands | |
| NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH: | 5 | SOLE VOTING POWER 0 |
| | 6 | SHARED VOTING POWER 1,824,566 Ordinary Shares, nominal value €0.13 per share ("Ordinary Shares") (represented by 1,824,566 American Depositary Shares ("ADS")) (1) |
| | 7 | SOLE DISPOSITIVE POWER 0 |
| | 8 | SHARED DISPOSITIVE POWER 1,824,566 Ordinary Shares (represented by 1,824,566 ADS) (1) |
| 9 | AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,824,566 Ordinary Shares (represented by 1,824,566 ADS) (1) | |
| 10 | CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS) <input type="checkbox"/> | |
| 11 | PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 5.5% (2) | |
| 12 | TYPE OF REPORTING PERSON (SEE INSTRUCTIONS) FI | |

FOOTNOTES

- (1) The securities reported in this row are held by Soleus Capital Master Fund, L.P. ("Master Fund"). Soleus Capital, LLC is the sole general partner of Master Fund and thus holds voting and dispositive power over the securities held by Master Fund. Soleus Capital Group, LLC is the sole managing member of Soleus Capital, LLC. Mr. Guy Levy is the sole managing member of Soleus Capital Group, LLC. Each of Soleus Capital Group, LLC, Soleus Capital, LLC and Mr. Guy Levy disclaims beneficial ownership of these securities held by Master Fund and this report shall not be deemed an admission that they are the beneficial owners of such securities for purposes of Section 13(d) of the Exchange Act, or for any other purpose, except to the extent of their respective pecuniary interests therein.
- (2) This percentage is calculated based upon 33,315,316 Ordinary Shares outstanding on April 27, 2021 immediately following the closing of the offering of 4,150,000 ADS (each representing one Ordinary Share), as reported in that certain prospectus supplement dated April 22, 2021 filed by the Issuer with the Securities and Exchange Commission on April 23, 2021 pursuant to Rule 424(b)(5) promulgated under the Securities Act of 1933, as amended.

| | | |
|---|--|--|
| 1 | NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY) Soleus Capital, LLC | |
| 2 | CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS) (a) <input type="checkbox"/> (b) <input type="checkbox"/> | |
| 3 | SEC USE ONLY | |
| 4 | CITIZENSHIP OR PLACE OF ORGANIZATION Delaware | |
| NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH: | 5 | SOLE VOTING POWER 0 |
| | 6 | SHARED VOTING POWER 1,824,566 Ordinary Shares (represented by 1,824,566 ADS) (1) |
| | 7 | SOLE DISPOSITIVE POWER 0 |
| | 8 | SHARED DISPOSITIVE POWER 1,824,566 Ordinary Shares (represented by 1,824,566 ADS) (1) |
| 9 | AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,824,566 Ordinary Shares (represented by 1,824,566 ADS) (1) | |
| 10 | CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS) <input type="checkbox"/> | |
| 11 | PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 5.5% (2) | |
| 12 | TYPE OF REPORTING PERSON (SEE INSTRUCTIONS) OO | |

FOOTNOTES

- (1) The securities reported in this row are held by Master Fund. Soleus Capital, LLC is the sole general partner of Master Fund and thus holds voting and dispositive power over the securities held by Master Fund. Soleus Capital Group, LLC is the sole managing member of Soleus Capital, LLC. Mr. Guy Levy is the sole managing member of Soleus Capital Group, LLC. Each of Soleus Capital Group, LLC, Soleus Capital, LLC and Mr. Guy Levy disclaims beneficial ownership of these securities held by Master Fund and this report shall not be deemed an admission that they are the beneficial owners of such securities for purposes of Section 13(d) of the Exchange Act, or for any other purpose, except to the extent of their respective pecuniary interests therein.
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| | | |
|---|--|--|
| 1 | NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY) Soleus Capital Group, LLC | |
| 2 | CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS) (a) <input type="checkbox"/> (b) <input type="checkbox"/> | |
| 3 | SEC USE ONLY | |
| 4 | CITIZENSHIP OR PLACE OF ORGANIZATION Delaware | |
| NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH: | 5 | SOLE VOTING POWER 0 |
| | 6 | SHARED VOTING POWER 1,824,566 Ordinary Shares (represented by 1,824,566 ADS) (1) |
| | 7 | SOLE DISPOSITIVE POWER 0 |
| | 8 | SHARED DISPOSITIVE POWER 1,824,566 Ordinary Shares (represented by 1,824,566 ADS) (1) |
| 9 | AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,824,566 Ordinary Shares (represented by 1,824,566 ADS) (1) | |
| 10 | CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS) <input type="checkbox"/> | |
| 11 | PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 5.5% (2) | |
| 12 | TYPE OF REPORTING PERSON (SEE INSTRUCTIONS) OO | |

FOOTNOTES

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- (2) This percentage is calculated based upon 33,315,316 Ordinary Shares outstanding on April 27, 2021 immediately following the closing of the offering of 4,150,000 ADS (each representing one Ordinary Share), as reported in that certain prospectus supplement dated April 22, 2021 filed by the Issuer with the Securities and Exchange Commission on April 23, 2021 pursuant to Rule 424(b)(5) promulgated under the Securities Act of 1933, as amended.

| | | |
|--|--|--|
| 1 | NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY) Guy Levy | |
| 2 | CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS) (a) <input type="checkbox"/> (b) <input type="checkbox"/> | |
| 3 | SEC USE ONLY | |
| 4 | CITIZENSHIP OR PLACE OF ORGANIZATION United States | |
| NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH: | 5 | SOLE VOTING POWER 0 |
| | 6 | SHARED VOTING POWER 1,824,566 Ordinary Shares (represented by 1,824,566 ADS) (1) |
| | 7 | SOLE DISPOSITIVE POWER 0 |
| | 8 | SHARED DISPOSITIVE POWER 1,824,566 Ordinary Shares (represented by 1,824,566 ADS) (1) |
| 9 | AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,824,566 Ordinary Shares (represented by 1,824,566 ADS) (1) | |
| 10 | CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS) <input type="checkbox"/> | |
| 11 | PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 5.5% (2) | |
| 12 | TYPE OF REPORTING PERSON (SEE INSTRUCTIONS) IN | |

FOOTNOTES

- (1) The securities reported in this row are held by Master Fund. Soleus Capital, LLC is the sole general partner of Master Fund and thus holds voting and dispositive power over the securities held by Master Fund. Soleus Capital Group, LLC is the sole managing member of Soleus Capital, LLC. Mr. Guy Levy is the sole managing member of Soleus Capital Group, LLC. Each of Soleus Capital Group, LLC, Soleus Capital, LLC and Mr. Guy Levy disclaims beneficial ownership of these securities held by Master Fund and this report shall not be deemed an admission that they are the beneficial owners of such securities for purposes of Section 13(d) of the Exchange Act, or for any other purpose, except to the extent of their respective pecuniary interests therein.
- (2) This percentage is calculated based upon 33,315,316 Ordinary Shares outstanding on April 27, 2021 immediately following the closing of the offering of 4,150,000 ADS (each representing one Ordinary Share), as reported in that certain prospectus supplement dated April 22, 2021 filed by the Issuer with the Securities and Exchange Commission on April 23, 2021 pursuant to Rule 424(b)(5) promulgated under the Securities Act of 1933, as amended.

Item 1.

(a) Name of Issuer

EDAP TMS S.A.

(b) Address of Issuer's Principal Executive Offices

Parc Activite La Poudrette Lamartine
4/6 Rue du Dauphine
69120 Vaulx-en-Velin, France

Item 2.

(a) Name of Person(s) Filing

Soleus Capital Master Fund, L.P.
Soleus Capital, LLC
Soleus Capital Group, LLC
Guy Levy

(b) Address of Principal Business Office or, if none, Residence

Soleus Capital Master Fund, L.P.
104 Field Point Road, 2nd Floor
Greenwich, CT 06830

Soleus Capital, LLC
104 Field Point Road, 2nd Floor
Greenwich, CT 06830

Soleus Capital Group, LLC
104 Field Point Road, 2nd Floor
Greenwich, CT 06830

Guy Levy
c/o Soleus Private Equity GP I, LLC
104 Field Point Road, 2nd Floor
Greenwich, CT 06830

(c) Citizenship

Soleus Capital Master Fund, L.P. – Cayman Islands
Soleus Capital, LLC – Delaware
Soleus Capital Group, LLC - Delaware
Guy Levy – United States

(d) Title of Class of Securities

Ordinary Shares, nominal value €0.13 per share (“Ordinary Shares”), represented by American Depositary Shares (“ADS”), each of which represents one Ordinary Share.

(e) CUSIP Number

There is no CUSIP number assigned to the Ordinary Shares. CUSIP number 268311107 has been assigned to the ADS, which are quoted on the Nasdaq Global Market under the symbol “EDAP”.

Item 3. If this statement is filed pursuant to §§240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:

- (a) Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o).
- (b) Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c).
- (c) Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c).
- (d) Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8).
- (e) An investment adviser in accordance with §240.13d-1(b)(1)(ii)(E);
- (f) An employee benefit plan or endowment fund in accordance with §240.13d-1(b)(1)(ii)(F);
- (g) A parent holding company or control person in accordance with § 240.13d-1(b)(1)(ii)(G);
- (h) A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);
- (i) A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);
- (j) A non-U.S. institution in accordance with §240.13d-1(b)(1)(ii)(J).
- (k) Group, in accordance with §240.13d-1(b)(1)(ii)(K). If filing as a non-U.S. institution in accordance with §240.13d-1(b)(1)(ii)(J), please specify the type of institution:

Item 4. Ownership.

Reference is made to Items 5 – 11 on the preceding pages of this Schedule 13G.

Master Fund holds, as of April 27, 2021, an aggregate of 1,824,566 Ordinary Shares (represented by 1,824,566 ADS), representing approximately 5.5% of the issued and outstanding Ordinary Shares as of such date. The foregoing percentage is calculated based upon 33,315,316 Ordinary Shares outstanding on April 27, 2021, immediately following the closing of the offering of 4,150,000 ADS (each representing one Ordinary Share), as reported in that certain prospectus supplement dated April 22, 2021 filed by the Issuer with the Securities and Exchange Commission on April 23, 2021 pursuant to Rule 424(b)(5) promulgated under the Securities Act of 1933, as amended.

As the general partner of Master Fund, Soleus Capital, LLC may be deemed to have shared power to vote or direct the vote and to dispose or to direct the disposition of the securities held by Master Fund. As the sole managing member of Soleus Capital, LLC, Soleus Capital Group, LLC may be deemed to have shared power to vote or to direct the vote and to dispose or direct the disposition of the securities held by Master Fund. As the sole managing member of Soleus Capital Group, LLC, Mr. Guy Levy may be deemed to have shared power to vote or direct the vote and to dispose or to direct the disposition of the securities held by Master Fund.

Neither the filing of this Schedule 13G nor any of its contents shall be deemed to constitute an admission that Mr. Levy, Soleus Capital, LLC or Soleus Capital Group, LLC is the beneficial owner of the securities of the Issuer referred to herein for purposes of Section 13(d) of the Securities Exchange Act of 1934, as amended, or for any other purpose, and such beneficial ownership is expressly disclaimed, except to the extent of their respective pecuniary interests therein.

Item 5. Ownership of Five Percent or Less of a Class

Not applicable.

Item 6. Ownership of More than Five Percent on Behalf of Another Person.

Not applicable.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company

Not applicable.

Item 8. Identification and Classification of Members of the Group

Not applicable.

Item 9. Notice of Dissolution of Group

Not applicable.

Item 10. Certification

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose, or with the effect, of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, the undersigned certify that the information set forth in this statement is true, complete and correct.

Date: April 27, 2021

Soleus Capital Master Fund, L.P.

By: Soleus Capital, LLC, its General Partner

By: Soleus Capital Group, LLC, its Managing Manager

By: /s/ Guy Levy

Name: Guy Levy

Title: Managing Member

Date: April 27, 2021

Soleus Capital, LLC

By: Soleus Capital Group, LLC, its Managing Manager

By: /s/ Guy Levy

Name: Guy Levy

Title: Managing Member

Date: April 27, 2021

Soleus Capital Group, LLC

By: /s/ Guy Levy

Name: Guy Levy

Title: Managing Member

Date: April 27, 2021

/s/ Guy Levy

Name: Guy Levy

Footnotes:

Attention: Intentional misstatements or omissions of fact constitute Federal criminal violations (See 18 U.S.C. 1001)

EXHIBIT A
JOINT FILING AGREEMENT

Soleus Capital Master Fund, L.P., a Cayman Islands exempted limited partnership, Soleus Capital, LLC, a Delaware limited liability company, Soleus Capital Group, LLC, a Delaware limited liability company, and Guy Levy, an individual, hereby agree to file jointly the statement on Schedule 13G to which this Joint Filing Agreement is attached, and any amendments thereto which may be deemed necessary, pursuant to Regulation 13D-G under the Securities Exchange Act of 1934, as amended.

It is understood and agreed that each of the parties hereto is responsible for the timely filing of such statement and any amendments thereto, and for the completeness and accuracy of the information concerning such party contained therein, but such party is not responsible for the completeness or accuracy of information concerning the other party unless such party knows or has reason to believe that such information is inaccurate.

It is understood and agreed that a copy of this Agreement shall be attached as an exhibit to the statement on Schedule 13G, and any amendments hereto, filed on behalf of each of the parties hereto.

Date: April 27, 2021

Soleus Capital Master Fund, L.P.

By: Soleus Capital, LLC, its General Partner

By: Soleus Capital Group, LLC, its Managing Manager

By: /s/ Guy Levy

Name: Guy Levy

Title: Managing Member

Date: April 27, 2021

Soleus Capital, LLC

By: Soleus Capital Group, LLC, its Managing Manager

By: /s/ Guy Levy

Name: Guy Levy

Title: Managing Member

Date: April 27, 2021

Soleus Capital Group, LLC

By: /s/ Guy Levy

Name: Guy Levy

Title: Managing Member

Date: April 27, 2021

/s/ Guy Levy

Name: Guy Levy