The REG113_TERMS_OF_GRANT Table

Welcome to table **REG113_TERMS_OF_GRANT** in PATSTAT Register. This table contains information about lapses during the opposition phase or during the period when opposition can be filed. It is worth to mention that the EPO is not the "owner" of any lapses in the national phase of a patent. Therefore, this information is not included.

```python
In [3]:  from epo.tipdata.patstat import PatstatClient
         from epo.tipdata.patstat.database.models import REG113_TERMS_OF_G
         RANT
         from sqlalchemy import func
         import pandas as pd

         # Initialise the PATSTAT client
         patstat = PatstatClient(env='PROD')

         # Access ORM
         db = patstat.orm()
```

ID (Primary Key)

Technical identifier for an application, without business meaning. Its values will not change from one PATSTAT edition to the next.

```
In [4]: i = db.query(
            REG113_TERMS_OF_GRANT.id
        ).limit(1000)

        df = patstat.df(i)
        df
```

Out[4]:

	id
0	3797861
1	18156937
2	16732635
3	12775616
4	1105791
...	...
995	17164040
996	12704648
997	11738523
998	11728792
999	8859705

1000 rows × 1 columns

CHANGE_DATE

It is the date of when the record was saved in the database.

In [8]:
```python
change_date = db.query(
    REG113_TERMS_OF_GRANT.change_date,
    REG113_TERMS_OF_GRANT.id
).limit(100)

change_date_df = patstat.df(change_date)
change_date_df
```

Out[8]:

	change_date	id
0	2022-07-01	14746693
1	2024-05-24	15789521
2	2014-07-18	6008760
3	2022-07-01	15152833
4	2018-08-17	9765609
...	...	...
95	2018-10-12	10730956
96	2022-07-08	14155875
97	2006-12-22	1111988
98	2021-07-23	8745586
99	2018-06-29	11166893

100 rows × 2 columns

BULLETIN_YEAR

For actions that have been published in the EPO Bulletin, it is the year of the publication in the bulletin. The default value is 0, used for applications that are not published or for which the year is not known. The format is YYYY otherwise.

```
In [7]:  years = db.query(
             REG113_TERMS_OF_GRANT.bulletin_year,
             REG113_TERMS_OF_GRANT.id
         ).limit(1000)

         years_df = patstat.df(years)
         years_df
```

Out[7]:

	bulletin_year	id
0	2024	19178786
1	2020	11809292
2	2020	10741079
3	2009	91114910
4	2008	99962448
...	...	...
995	2022	14801894
996	2024	17790016
997	2024	12778604
998	2020	15179965
999	2024	15717144

1000 rows × 2 columns

BULLETIN_NR

This is the issue number of the EPO Bulletin for actions that have been published in it. The Bulletin number indicates the calendar week the Bulletin has been published. The default value 0 is used when the attribute `bulletin_year` is 0.

```
In [6]: bulletin_nr = db.query(
            REG113_TERMS_OF_GRANT.id,
            REG113_TERMS_OF_GRANT.bulletin_nr,
            REG113_TERMS_OF_GRANT.bulletin_year
        ).limit(100)

        bulletin_nr_df = patstat.df(bulletin_nr)
        bulletin_nr_df
```

Out[6]:

	id	bulletin_nr	bulletin_year
0	15184347	31	2022
1	10196894	46	2018
2	13171022	22	2024
3	1307119	3	2009
4	11843049	34	2020
...	...	...	...
95	2731642	2	2009
96	15785134	22	2024
97	4739637	45	2013
98	14825646	29	2024
99	12761478	33	2020

100 rows × 3 columns

LAPSED_COUNTRY

The office country code for which a lapse occurred during the opposition phase or during the period when opposition can be filed.

Suppose that we want to get all the countries for which a lapse occurred for application 15184347.

In [10]:

```python
lapses = db.query(
    REG113_TERMS_OF_GRANT.id,
    REG113_TERMS_OF_GRANT.lapsed_country
).filter(
    REG113_TERMS_OF_GRANT.id == 15184347
)

lapses_df = patstat.df(lapses)
lapses_df
```

Out[10]:

	id	lapsed_country
0	15184347	LV
1	15184347	GR
2	15184347	SM
3	15184347	CH
4	15184347	MT
5	15184347	MC
6	15184347	SI
7	15184347	EE
8	15184347	DK
9	15184347	IE
10	15184347	HR
11	15184347	SE
12	15184347	LI
13	15184347	MK
14	15184347	CY
15	15184347	TR
16	15184347	PL
17	15184347	FI
18	15184347	LU
19	15184347	LT
20	15184347	ES
21	15184347	IT
22	15184347	NO
23	15184347	PT
24	15184347	RS
25	15184347	AT

26	15184347	BE
27	15184347	AL
28	15184347	RO
29	15184347	IS
30	15184347	HU
31	15184347	CZ
32	15184347	BG
33	15184347	SK
34	15184347	NL

LAPSED_DATE

The date when a lapse occurred in one of the designated states during the opposition phase or during the period when opposition can be filed.

We can add this check to the previous example.

```
In [11]:  lapses_dates = db.query(
              REG113_TERMS_OF_GRANT.id,
              REG113_TERMS_OF_GRANT.lapsed_country,
              REG113_TERMS_OF_GRANT.lapsed_date
          ).filter(
              REG113_TERMS_OF_GRANT.id == 15184347
          )

          lapses_dates_df = patstat.df(lapses_dates)
          lapses_dates_df
```

Out[11]:

	id	lapsed_country	lapsed_date
0	15184347	LV	2019-04-17
1	15184347	CH	2019-09-30
2	15184347	SI	2019-04-17
3	15184347	EE	2019-04-17
4	15184347	IS	2019-08-17
5	15184347	RO	2019-04-17
6	15184347	ES	2019-04-17
7	15184347	MC	2019-04-17

8	15184347	DK	2019-04-17
9	15184347	SK	2019-04-17
10	15184347	CZ	2019-04-17
11	15184347	LT	2019-04-17
12	15184347	SE	2019-04-17
13	15184347	NL	2019-04-17
14	15184347	PT	2019-08-17
15	15184347	RS	2019-04-17
16	15184347	LI	2019-09-30
17	15184347	MK	2019-04-17
18	15184347	CY	2019-04-17
19	15184347	TR	2019-04-17
20	15184347	FI	2019-04-17
21	15184347	LU	2019-09-08
22	15184347	IE	2019-09-08
23	15184347	HR	2019-04-17
24	15184347	AT	2019-04-17
25	15184347	GR	2019-07-18
26	15184347	SM	2019-04-17
27	15184347	IT	2019-04-17
28	15184347	NO	2019-07-17
29	15184347	BE	2019-09-30
30	15184347	AL	2019-04-17
31	15184347	MT	2019-04-17
32	15184347	BG	2019-07-17
33	15184347	PL	2019-04-17
34	15184347	HU	2015-09-08

```
In [ ]:
```