The REG112_LICENSEE_STATES Table

Welcome to table **REG112_LICENSEE_STATES** in PATSTAT Register. A license might be valid for all states which are covered by a patent, or only by a subset of these countries. In the latter case this table lists the countries for which the license is valid.

In [1]:
```
from epo.tipdata.patstat import PatstatClient
from epo.tipdata.patstat.database.models import REG112_LICENSEE_S
TATES
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 [3]:
```
i = db.query(
    REG112_LICENSEE_STATES.id
).limit(1000)

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

Out[3]:

	id
0	6808482
1	6076188
2	18206584
3	7809801
4	4742779
...	...
995	4767813
996	18200542
997	6794484
998	5740648
999	20743146

1000 rows × 1 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 [6]:
```
years = db.query(
    REG112_LICENSEE_STATES.bulletin_year,
    REG112_LICENSEE_STATES.id
).limit(1000)

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

Out[6]:

	bulletin_year	id
0	0	6808482
1	0	6076188
2	0	18206584
3	0	7809801
4	2012	4742779
...	...	...
995	0	4767813
996	0	18200542
997	2008	6794484
998	0	5740648
999	2024	20743146

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 [5]:
```
bulletin_nr = db.query(
    REG112_LICENSEE_STATES.id,
    REG112_LICENSEE_STATES.bulletin_nr,
    REG112_LICENSEE_STATES.bulletin_year
).limit(100)

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

Out[5]:

	id	bulletin_nr	bulletin_year
0	6808482	0	0
1	6076188	0	0
2	18206584	0	0
3	7809801	0	0
4	4742779	21	2012
...	...	...	...
95	2786324	10	2006
96	18167538	0	0
97	20158844	0	0
98	91400121	0	0
99	9769474	0	0

100 rows × 3 columns

LICENSEE_SEQ_NR

Serial number of license / sub-license. The first two digits are the serial number of a main license and the optional other two digits represent the serial number of a sub-license. Unlike table REG111_LICENSEE, in table REG112_LICENSEE_STATES the value 'deleted' does not occur.

In [2]:
```
licensee = db.query(
    REG112_LICENSEE_STATES.id,
    REG112_LICENSEE_STATES.licensee_seq_nr
).limit(100)

licensee_df = patstat.df(licensee)
licensee_df
```

Out[2]:

	id	licensee_seq_nr
0	6808482	02
1	6076188	01
2	18206584	01
3	7809801	01
4	4742779	01 01
...	...	...
95	2786324	01 00
96	18167538	01
97	20158844	01
98	91400121	01 00
99	9769474	01

100 rows × 2 columns

LICENSEE_COUNTRY

This attribute indicates the countries/territories where the license is valid in case it is not for all designated states.

There is one record in the table per country/territory, meaning that if we want to retrieve all the designated staes for one application than we get several rows of the dataset, one per each of the designates states. Assume that we want to filter all the designates states for application 6808482.

In [7]:
```
licensee_country = db.query(
    REG112_LICENSEE_STATES.licensee_country,
    REG112_LICENSEE_STATES.id
).filter(
    REG112_LICENSEE_STATES.id == 6808482
)

country_df = patstat.df(licensee_country)
country_df
```

Out[7]:

	licensee_country	id
0	CZ	6808482
1	CY	6808482
2	LT	6808482
3	HU	6808482
4	IE	6808482
...	...	...
85	GB	6808482
86	BG	6808482
87	BE	6808482
88	AT	6808482
89	LV	6808482

90 rows × 2 columns

In [ ]: