The CMS' API allow the user's own software to interact directly with the CMS's backend for the creation of Opt-Out or Withdraw or to get useful information

There are two categories of APIs (application Programming Interface):

- Application To Application (**A2A**): where the user's own program interacts and creates some entries in the CMS's database.
- **Public API** : where the user's program can retrieve some useful information regarding his cases, patents and related documents

This document focuses on the PUBLIC API.

For the public API, we invite the reader to consult the dedicated documentation available on our corporate website (under the section "IT For developer") or click on the following link: UPC Case Management System | Unified Patent Court (unified-patent-court.org)

UPC's CMS is available for testing purpose on a dedicated environment. Within this environment, you are able to test your development before submitting your API call to the real production environment.

For each of API calls / functions available, we will provide you with

- Type of request and a description
- The endpoint(s)
- The (main) input parameter(s)
- A sample of call (http request or json file)
- A sample of result (and depending on the results, the impact(s) or visualization on the CMS frontend)
- A positive and negative result will be described also

This document is based on the last available SWAGGER / JSON file version 4 available on the UPC Corporate website under the section "IT for developer".

These public API functions are organised in 3 "sets"

General functions

- Get the list of languages used within the CMS

Functions linked to the Documents

- Search for all document related to a case

Functions linked to the Cases

- Search for some cases
- Provide all the case types allowed or managed by the CMS

Functions linked to the Patent and Opt-Out

- Get information about the opt-out linked to a given patent

Functions linked to the Representatives

- Search for representatives for a specific entitlement
- Search for representatives

List of Languages (used in the system)

Type	GET
Description	Get the languages available within CMS. Provides the list of all languages available within the CMS.
	The language "list" contains the language(s) expressed as ISO code, and separated by "," (a comma)
	The language(s) is (are) returned in "lower case"

Endpoints

- Prod Environment
  https://api-prod.unified-patent-court.org/upc/public/api/v4/**languages**

- Pre-Prod Environment
  https://api-pre-prod.unified-patent-court.org/upc/public/api/v4/**languages**

Input parameter(s):

  None

Sample of call

  https://api-pre-prod.unified-patent-court.org/upc/public/api/v4/**languages**

Sample of results

```
 1   [
 2       "bg",
 3       "cs",
 4       "da",
 5       "nl",
 6       "en",
 7       "et",
 8       "fi",
 9       "fr",
10       "de",
11       "el",
12       "hu",
13       "it",
14       "lv",
15       "lt",
16       "pt",
17       "ro",
18       "sk",
19       "sl",
20       "sv"
21   ]
```

Search case types

Type   GET

Description   Get information about all the different case types.

Endpoints

- Prod Environment
https://api-prod.unified-patent-court.org/upc/public/api/v4/**caseTypes**

- Pre-Prod Environment
https://api-pre-prod.unified-patent-court.org/upc/public/api/v4/**caseTypes**

Parameters for the API call : none

Sample of result

```
[
    "OPT_OUT",
    "WITHDRAW",
    "REG_REPRESENTATIVE",
    "CORRECTION_OF_OPT_OUT",
    "CORRECTION_OF_WITHDRAW",
    "REMOVE_REPRESENTATIVE_FROM_LIST",
    "SIGNUP",
    "LOST_SMART_CARD",
    "CHANGE_SMART_CARD"
]
```

Search case

Type	GET
Description	Get information related to a case

Endpoints

- Prod Environment
  https://api-prod.unified-patent-court.org/upc/public/api/v4/documents/**cases**

- Pre-Prod Environment
  https://api-pre-prod.unified-patent-court.org/public/api/v4/**cases**

Parameters

- number
- year
- type
- patent
- modifiedSince
- receiptDateFrom
- receiptDateTo
- patentNumber
- decisionNumber
- decisionFullText
- language
- judge
- partyName
- partyType
- partyDescription
- representative
- pageNumber
- pageSize

Sample of call:

Give me the details concerning the case n°3365 of year 2022.

https://api-pre-prod.unified-patent-court.org/public/api/v4/**cases**?number=3365&year=2022

Sample of result

```
[
    {
        "parties": [
            {
                "name": "John",
                "surname": "DOE",
                "email": "john.doe@mycompany.com",
                "type": "APPLICANT",
                "companyName": null,
                "representative": {
                    "name": null,
                    "surname": "DOE",
                    "email": null
                }
            }
        ],
        "patents": [
            {
                "number": "EP0001220",
                "description": "Procédé d'assemblage indirect de deux pièces."
            }
        ],
        "division": null,
        "decision": null,
        "language": null,
        "judges": [],
        "spcs": [
            {
                "number": "122"
            }
        ],
        "receiptDate": "05-07-2022 09:41:28",
        "creationDate": "05-07-2022 09:35:04",
        "fullNumber": "UPC_APP_3365/2022",
        "number": "3365",
        "type": "OPT_OUT",
        "year": 2022
    }
]
```

Search for all documents related to one case

Type   GET

Description   Get information about all the documents related to one given case.

Endpoints

- Prod Environment
  https://api-prod.unified-patent-court.org/upc/public/api/v4/**documents**

- Pre-Prod Environment
  https://api-pre-prod.unified-patent-court.org/upc/public/api/v4/**documents**

Parameters for the API call

- caseType : one of the following type
  - "OPT_OUT",
  - "WITHDRAW",
  - "REG_REPRESENTATIVE",
  - "CORRECTION_OF_OPT_OUT",
  - "CORRECTION_OF_WITHDRAW",
  - "REMOVE_REPRESENTATIVE_FROM_LIST",
  - "SIGNUP",
  - "LOST_SMART_CARD",
  - "CHANGE_SMART_CARD"

  Note: this list is provided by another API call :

  Search case types

  https://ENVIRONMENT/upc/public/api/v4/caseTypes

  Where ENVIRONEMENT is one of the following
  - api-pre-prod.unified-patent-court.org
  - api-prod.unified-patent-court.org

- Number   such as 1837
- Year   such as 2019 ; 2022

Example of call:

https://api-pre-prod.unified-patent-court.org upc/public/api/v4/**documents**/WITHDRAW/54/2019

Sample of result

Positive result.   A list of documents. Each of document is "displayed" as following

```
{
    "id": "42835714D69953FFC6C9142AD4F028F3",
    "creationDate": "02-10-2019 11:12:48",
    "type": "other",
    "title": "test",
    "description": "test",
    "additionalInformation": null,
    "version": 1,
    "uploadOriginType": null,
    "fileName": "test.txt",
    "mimeType": "text/plain",
    "language": "fr"
},
```

The "id" is the identification of the document. This will be used by another API function called **download (see here after)** to get the document itself (for download for example).

Opt-out linked to one given patent

Type   GET

Description   Get a list of opt-out cases linked to a patent number

Endpoints

- Prod Environment
  https://api-prod.unified-patent-court.org/upc/public/api/v4/**opt-out/list**

- Pre-Prod Environment
  https://api-pre-prod.unified-patent-court.org/upc/public/api/v4/**opt-out/list**

Sample of call

https://api-pre-prod.unified-patent-court.org/upc/public/api/v4/opt-out/list?patentNumber=EP0001220

Sample of result

```
[
    {
        "caseNumber": "UPC_APP_3586/2022",
        "caseType": "REMOVAL_OPTOUT",
        "dateOfLodging": "11-07-2022 13:47:08",
        "outcome": "APPLICATION_PENDING"
    }
]
```

List of representative entitlements

Type   GET

Description   Get a list of representatives entitlement defined in the system

Endpoints

- Prod Environment
  https://api-prod.unified-patent-court.org/upc/public/api/v4/
  representationEntitlements

- Pre-Prod Environment
  https://api-pre-prod.unified-patent-court.org/upc/public/api/v4/
  representationEntitlements

Parameters: none

Sample of call

https://api-pre-prod.unified-patent-
court.org/upc/public/api/v4/representatives/representationEntitlements

Sample of results

```
[
    "LAWYER_AUTHORISED",
    "EPLC",
    "LAW_DIPLOMA",
    "OTHER_QUALIFICATIONS",
    "REPRESENTED_PARTY"
]
```

List of representatives

Type   GET

Description   Get a list of representatives defined in the system

Endpoints

- Prod Environment
  https://api-prod.unified-patent-court.org/upc/public/api/v4/**representatives**

- Pre-Prod Environment
  https://api-pre-prod.unified-patent-court.org/upc/public/api/v4/**representatives**

Parameters

Name, surname or representationEntitlement

Sample of call

https://api-pre-prod.unified-patent-court.org/upc/public/api/v4/representatives?name=Martin

Sample of result

```
[
    {
        "fullName": "Martin Nestor",
        "representationEntitlement": "lawyerAuthorised",
        "buisnessAddress": {
            "address": "my address",
            "city": "myCity",
            "state": "SE",
            "zipcode": "7845"
        }
    }
]
```