# ANNEX II

 The current DocList web service is part of the One Portal Dossier (OPD) Access services, and returns a list of documents related to a particular application number, as provided by a member of the IP5 Offices. Note that the DocList service does not return selected documents, but rather only bibliographic information including document title, document creation date and document type.

 This specification also referred WIPO Case documentation. The current document is intended as the basis of a WIPO CASE web service, in addition to the generated OAS specification.

 The following specification sets out the necessary requirements, for a similar web service, which will serve as an example model for the new [draft Web API standard](https://www.wipo.int/edocs/mdocs/classifications/en/cws_6/cws_6_6_corr.pdf). While OPD returns responses compliant with ST.36, this updated specification will provide XML responses compliant with [WIPO ST.96](https://www.wipo.int/export/sites/www/standards/en/pdf/03-96-01.pdf). If required, an ST.36 format will also be specified. The primary purpose of this document aims to provide a model example that will be incorporated in the new WIPO Web API standard. It is also intended to assist IPOs in implementing the new Standard for their web services.

## RESOURCE NAME

 Potentially the name of the resource could be:

/api/1.0/docLists

## QUERY PARAMETERS

 Table 1 indicates the parameters passed through the URI that form the request to the service.

Table 1: Query parameters

| Query Parameter | Type/Format | Example | Default Value | Mandatory | Description |
| --- | --- | --- | --- | --- | --- |
| requesterIndividualIdentifier | String (max 4 chars) | JP | <no default value> | Yes | Individual ID at requester organization |
| requesterRoleName | String (String 20 chars) | OPD-SystemExaminerIB | <no default value> | Yes | Role at Organization: free-text |
| requesterOrganizationName | Enumeration: see ST.3  | JP | <no default value> | Yes | ST.3 country code for requester |
| documentNumber | ST.13 or ST.6 | AU2018244569 | <no default value> | Yes | Application number requested as defined in ST.13 with mandatory IP Office code as ST.3 OR Publication number as ST.6.  |
| countryCode | Enumeration: see ST.3  | AU | <no default value> | No | ST.3 code indicating filing country. May be redundant as this is the first two characters of the application number. |
| documentKindCategory | Enumeration: see Table 6 | ALL | ALL | Yes | A list of the code identifying the types of documents returned. A new type defined in *sapi* namespace. |
| count | True|False | True | True | No | The number of elements in a collection that can be accepted by the consumer.  |
| sort | String | documentDate , desc | documentDate, desc | No | Multi-attribute sorting criterion for documents returned  |

*Note: there is a mapping of these document group codes to the WIPO Case document types that is provided in the Appendix to this document.*

## RESPONSE

 The high-level structure of the response is in the form:

1. DocListsResponse identification information: OrganizationIID, OrganizationRole and IPOfficeCode (located in *sapi* namespace) – see Table 2,
2. Bibliographic information (pat:BibliographicData) - note this specification includes only selected atomic elements were included. This list is provided in Table 2.
3. AvailableDocumentBag (located in the sapi namespace) – see Table 3. This element is comprised of 0 to n AvailableDocument elements and is of the type AvailableDocumentBag Type.
4. Transaction (located in the sapi namespace) – see Table 4.

 Table 2 and Example:

<sapi:DocListsResponse>

<sapi:OrganizationIID>EP</sapi:OrganizationIID>

<sapi:OrganizationRole>EP</sapi:OrganizationRole>

<sapi:IPOCode>EP</sapi:IPOCode>

<pat:BibliographicData>

 …

</pat:BibliographicData>

</sapi:DocListsResponse>

Table 3 provides a concordance of the proposed response body with corresponding elements of ST96, as responses from the API should be in ST.96 format. Elements that are not available in the current version of ST96 (3.1) have been created in a new namespace: [www.wipo.int/standards/XMLSchema/sAPI](http://www.wipo.int/standards/XMLSchema/sAPI) , where *sAPI* represents the **S**tandard **API** namespace. There can then be namespaces for each of the Web services that we intend to implement created here. For instance, [www.wipo.int/standards/XMLSchema/sAPI/DocList](http://www.wipo.int/standards/XMLSchema/sAPI/DocList) .

 An English translation must be provided for documents supplied in the OPD web service but both the original document and the translated documents are available in the file dossier. As such, two attributes are required for the AvailableDocument element: originalLanguageCode and currentLanguageCode. Finally a third attribute, identifies the means of the translation.

Table 2: Response parameters: sapi:DocListsResponse element

|  |  |  |
| --- | --- | --- |
| Response parameter | ST.96/sapi element | Description |
| OrganizationIID | sapi:OrganizationIIDType | Individual ID at the organization**minOccurs=1, maxOccurs=1** |
| OrganizationRole | com:RoleCategoryType | Role at organization**minOccurs=1, maxOccurs=1** |
| IPOCode | com:IPOfficeCode  | ST3 code identifying the location of the IPO**minOccurs=1, maxOccurs=1** |
| BibliographicData | pat:BibliographicData elements:* Application Number
* Publication Number
* Invention Title
* Applicant
* Inventor
* Agent Name
* WIPO No.
* PCT No.
* Filing Date
* Application Status
* Earliest Priority Date
* First IPC Mark
* Primary CPC mark
 | ST.96 response from offices which contains their implementation of this ST.96 element. Could potentially be an ST.36 response as well.**minOccurs=1, maxOccurs=1** |

Example:

[<sapi:DocListsResponse>](file:///C%3A%5CUsers%5Cyun%5CAppData%5CLocal%5CTemp%5CRar%24DIa20524.18495%5CEP.08005451.A_doclist_response.xml)

<sapi:OrganizationIID>EP</sapi:OrganizationIID>

<sapi:OrganizationRole>EP</sapi:OrganizationRole>

<sapi:IPOCode>EP</sapi:IPOCode>

<pat:BibliographicData>

 …

</pat:BibliographicData>

</sapi:DocListsResponse>

Table 3: Response parameters – sAPI:AvailableDocument element

| Response Parameter | ST.96/sapi element | Description |
| --- | --- | --- |
| DocumentKindCode/DocumentKindCodeBag | sapi:DocumentKindCodeType Element (token) | See Table 6 and Table 7. Classifies type of document (as defined by OPD/WIPO Case/National Office)**minOccurs=1, maxOccurs=4** |
| DocumentCategory/DocumentCategoryBag | sapi:DocumentCategoryTypeElement (Enumeration) | The category of the document as specified by the National Offices. See Table 7. **minOccurs=0, maxOccurs=1** |
| NPLIndicator | sapi:NPLIndicator Element (xsd:Boolean)  | A True/False Boolean flag that indicates whether this document is considered to be non-patent-literature. Implemented similar to com:ColourIndicator.**minOccurs=0, maxOccurs=1** |
| DocumentName | com:DocumentName Element (string) | Specify the name of the document**minOccurs=1, maxOccurs=1** |
| DocumentFormatCategoryBag | com:DocumentFormatCategoryType Element (Enumeration) | Specify the format of the document (eg. PDF or image formats)**minOccurs=1, maxOccurs=5** |
| DocumentIdentifier | sapi:DocContentIdentifier/ com:DocumentURIElement (string) | Specify the identifier to be used in DocContent Web Service Request (system identifier used to connect two web services). Could use ST.96 DocumentURI potentially. **minOccurs=1, maxOccurs=1** |
| DocumentDate | com:DocumentDate Element (date) | Specify the legal date of the document (YYYY-MM-DD)**minOccurs=0, maxOccurs=1** |
| PageTotalQuantity | com:PageTotalQuantity Element (integer) | Specify the total number of pages within the document**minOccurs=0, maxOccurs=1** |
| originalLanguageCode | com:ExtendedISOLanguageCodeTypeAttribute  | Specify the original language that the document was filedMANDATORY |
| currentLanguageCode | com:ExtendedISOLanguageCodeTypeAttribute | Specify the current language of the documentMANDATORY |
| translatorCategory | pat:TranslatorCatgeoryTypeAttribute  | Specify how the translation was performed. e.g., Human or machine. OPTIONAL |

Example:

[<sapi:AvailableDocument com:originalLanguageCode=’fr’ com:currentLanguageCode=’en’ pat:translatorCategory=’Human’>](file:///C%3A%5CUsers%5Cyun%5CAppData%5CLocal%5CTemp%5CRar%24DIa20524.18495%5CEP.08005451.A_doclist_response.xml)

<sapi:DocumentCategoryBag>

<sapi:DocumentCategory>AU DRAWING</sapi:DocumentCategory>

<sapi:DocumentCategory>AU ABSTRACT</sapi:DocumentCategory>

 </sapi:DocumentCategoryBag >

<sapi:DocumentKindCode>4</sapi:DocumentKindCode>

<sapi:NPLIndicator>false</sapi:NPLIndicator>

<com:DocumentName> Questions concernant la demande</com:DocumentName>

 <com:DocumentFormatCategory>application/pdf</com:DocumentFormatCategory>

<com:DocumentIdentifier>EM63EGK77322J03</com:DocumentIdentifier>

<com:DocumentDate>2008-03-26</com:DocumentDate>

<com:PageTotalQuantity>1</com:PageTotalQuantity>

</sapi:AvailableDocument>

Table 4: sapi.Transaction

|  |  |  |
| --- | --- | --- |
| Response Parameter | XML element | Description |
| TransactionError | com:TransactionErrorType | In case of an error, an ST.96 XML error response is returned. **minOccurs=1, maxOccurs=1** |
| page (limit, offset) | tuples of <limit>,<offset> | Implementation of pagination in the response. ‘limit’ is the number of items per page and ‘offset’ is the number of skipped items. i.e., pagination criteria.**minOccurs=0, maxOccurs=?** |
| sort | tuples of <sorting criterion>, <sorting order> | How the contents list that forms the response is sorted, i.e., sorting criteria. **minOccurs=0, maxOccurs=?** |

Example:

<sapi:Transaction>

 <com:TransactionError>

 <com:TransactionErrorCode>200</com:TransactionErrorCode>

<com:TransactionErrorText>OK</com:TransactionErrorText>

</com:TransactionError>

<page limit=”10”, offset=”0” />

<sort by=”documentDate” order=”desc”/>

</sapi:Transaction>

Table 5: HTTP Status Codes (from WIPO Web API Standard). For more information on this error refer to TransactionError.

|  |  |
| --- | --- |
| HTTP status code (from WIPO Web API Standard, Annex VII) | Description |
| 200 | Request was successful |
| 400 | Bad Request.  |
| 404 | Resource not found |
| 408 | Request timeout |
| 414 | URI too large |
| 429 | Too many requests |
| 500 | Internal Server error |
| 503  | Service Unavailable |

## USE CASES

### UC1: UP-TO-DATE LIST RETURNED (SUCCESS)

| Name | UC1 |
| --- | --- |
| User | DocList user |
| Goal | Return the list of documents associated with the application number [in XML] according to the origin country |
| Assumptions | Application number is in DOCDB formatContent list is kept up-to-date by IP Office systemNo authentication of user – or just use SSL?Pagination is enabled |
| URL | <http://www.wipo.int/api/1.0/docLists/au2018210291?limit=10&offset=30>  |
| Request | Query parameters within URL |
| Response | XML (extended ST.96) |
| Query parameters | Application number=2018210291Limit=10Offset=30 |
| HTTP Verb | GET |
| HTTP Header | status – see Table 5 |

1. Requester as identified by IID and role opens up interface
2. Requester enters application number, in DOCDB format
3. Request is made by source system to destination system for document contents list
4. Contents List is received by source system and returned as a response in ST96 format
5. Up-to-date contents list of documents relating to this application are displayed to the user in desired format.

### UC2: LIST NOT RETURN (ERROR)

| Name | UC2 |
| --- | --- |
| User | DocList user |
| Goal | Return a standard XML error |
| Assumptions | Application number is in DOCDB formatContent list is kept up-to-date by IP Office systemCorresponds to an error code in **Error! Reference source not found.**No authentication of user or just use SSL?Pagination is enabled |
| URL | <http://www.wipo.int/api/1.0/docLists/au2018210291?limit=10&offset=30> |
| Request | Query parameters within URL |
| Response | XML (extended ST.96) |
| Query parameters | Application number=2018210291Limit=10Offset=30 |
| HTTP Verb | GET |
| HTTP Header | Status – see Table 5 |

1. Requester as identified by IIF and role opens up interface
2. Requester incorrectly enters in an application number
3. Application number forms basis of the request, along with requester information
4. ST96 response is a standard error indicating that the application number cannot be found, the contents could not be retrieved, there is a delay in translation or the contents list returned is too large (greater than 1000 pages). The values for the status code and descriptions can be found in Table 5, which is a subset of Annex VII of the new WIPO Web API Standard (1).

## REFERENCES

1. [New WIPO Standard on Web API (Working Draft)](https://www.wipo.int/edocs/mdocs/classifications/en/cws_6/cws_6_6_corr.pdf)
2. [WIPO Standard for number of applications for Intellectual Property Rights](https://www.wipo.int/export/sites/www/standards/en/pdf/03-13-01.pdf)
3. [EPO DOCDB Reference](https://www.epo.org/searching-for-patents/data/bulk-data-sets/docdb.html#tab-1)
4. [OPD Specification](https://www3.wipo.int/confluence/download/attachments/484311095/OPD-Specifications-v1-0-0.doc?version=1&modificationDate=1543330648084&api=v2)

## APPENDIX

 The following two tables are provided as reference material. They relate specifically to WIPO-Case and OPD implementations of the DocList web service. The Document Type Code is the code provided by the National IP Offices that identifies the type of document they are supplying to WIPO-Case. The Document Group Code is a high-level categorization provided by OPD that identifies broadly to the OPD user the type of document, indicated by color. For example, Document Group Codes 1 and 4 are colored red, as incoming documents.

 Note, that as the document code is generated by the national offices, WIPO proposes standardization of document types, aligning them with category provided in WIPO ST.27. WIPO may also propose further detail be added to the OPD Document Group Codes.

Table 6: OPD Document Group codes2

| Document Kind Code | Document Kind Description |
| --- | --- |
| 1 | Application Documents |
| 2 | Office Actions Communications. Includes All Documents that are dispatched from office for refusal notification or determination of patent etc… - Sent to applicant, OUTGOING – Examiner communication not formality related i.e., Late Fee |
| 3 | Information Disclosures |
| 4 | Written ArgumentsOpinions (USPTO Office Actions)Papers received from applicants in response to the documentINCOMINGInclude,es amendments |
| 5 | In-house documents including Examiner Notes/Search Results |
| 21 | First Office Action (substantive examination) |
| 22 | Intermediate Office Action (substantive examination) |
| 23 | Final Office Action, Decisions (substantive examination) |
| 101 | Documents including citations |
| 102 | Documents including classifications |
| unknown | No document group defined for this document. |
| ALL | Includes all the documents in the requested application |

Table 7: WIPO CASE Document Type Code- OPD Document Group Code mapping

| **Document Group Code** | **Document Type Code** | **IPO** |
| --- | --- | --- |
| 1 | AU DRAWING | IP AUSTRALIA |
| 1 | AU ABSTRACT | IP AUSTRALIA |
| 4 | AU AMENDMENT | IP AUSTRALIA |
| 1 | AU DESCRIPTION | IP AUSTRALIA |
| 1 | AU CLAIM | IP AUSTRALIA |
| 1 | AU CSEX | IP AUSTRALIA |
| 1 | AU SPEC | IP AUSTRALIA |
|  | AU EXRS | IP AUSTRALIA |
| 1 | AU CORRO OUT | IP AUSTRALIA |
| 21,101,102,2 | AU A15R | IP AUSTRALIA |
| 21,101,102,2 | AU EXRP | IP AUSTRALIA |
| 101,102 | AU SIST | IP AUSTRALIA |
| 1 | CA DESCRIPTION | CIPO |
| 1 | CA CLAIMS | CIPO |
| 1 | CA ABSTRACT | CIPO |
| 1 | CA DRAWINGS | CIPO |
| 4 | CA REQUESTFORCORRECTIONTOAMENDMENT | CIPO |
| 4 | CA AMENDMENT | CIPO |
| 4 | CA REISSUE | CIPO |
| 4 | CA EXAMINATIONREINSTATEMENT | CIPO |
| 4 | CA EXTENSIONOFTIMEFOREXAMINATION | CIPO |
| 4 | CA AMENDMENTAFTERALLOWANCE | CIPO |
| 4 | CA PROTEST/PRIORART | CIPO |
| 23 | CA DISCLAIMER | CIPO |
| 4 | CA FINALACTION-RESPONSE | CIPO |
| 4 | CA RE-EXAMINATIONREQUESTFILED | CIPO |
| 4 | CA RESPONSETOREISSUEBOARDLETTER | CIPO |
| 4 | CA RE-EXAMINATIONREQUESTFILEDSMALLENTITYDECL | CIPO |
| 21, 101, 102,2 | CA R30(2)EXAMINERREQUISITION | CIPO |
| 2 | CA R104EXAMINERREQUISITION | CIPO |
| 2,21,101,102 | CA R29EXAMINERREQUISITION | CIPO |
| 23,101,102,2 | CA FINALACTION | CIPO |
| 2 | CA ACKNOWLEDGEMENTOFREJECTIONOFAMENDMENT | CIPO |
| 2 | CA ACKNOWLEDGEMENTOFACCEPTANCEOFAMENDMENT | CIPO |
| 2 | CA RE-EXAMINATIONREFUSED | CIPO |
| 2 | CA COMMISSIONER'SDECISION | CIPO |
| 2 | CA COMMISSIONER'SREFUSALLETTER | CIPO |
| 2 | CA R89EXAMINERREQUISITION | CIPO |
| 2 | CA R143EXAMINERREQUISITION | CIPO |
| 2 | CA PABLETTER | CIPO |
| 101,102,2 | CA INT.PRELIMINARYEXAMINATIONREPORT | CIPO |
| 1 | CA SPEC | CIPO |
| 101,102 | CA SRST | CIPO |
| 21,101,102,2 | CA EXRP | CIPO |
| 1 | CA CSEX | CIPO |
| 1 | GB DESCRIPTION | UKIPO |
| 1 | GB CLAIMS | UKIPO |
| 21,101,2 | GB EXRP-OPINION | UKIPO |
| 1 | GB CSEX-CLAIMS | UKIPO |
| 1 | GB SPEC-DESC | UKIPO |
| 101,102,2 | GB SRST-CORRSCH | UKIPO |
| 101,102,2 | GB SRST-AMENSCH | UKIPO |
| 21,101,2 | GB EXRP-EXAM | UKIPO |
| 101,102,2 | GB SRST-FRTHSCH | UKIPO |
| 1,102 | GB SPEC-BPUB | UKIPO |
| 1,101,102 | GB SPEC-APUB | UKIPO |
| 1 | GB CSEX-AMENCLM | UKIPO |
| 21,101,2 | GB EXRP-ABBEXAM | UKIPO |
| 1 | GB SPEC | UKIPO |
| 1 | GB CSEX | UKIPO |
| 101,102,2 | GB SRST | UKIPO |
| 21,101,2 | GB EXRP | UKIPO |
| 21,101,102,2 | GB EXRP | UKIPO |
| 101,102 | GB SRST | UKIPO |
| 1 | IL DRAWINGS | ILPO |
| 1 | IL DESCRIPTION | ILPO |
| 1 | IL CLAIMS | ILPO |
| 2 | IL SRSG | ILPO |
| 101,102,2 | IL A15R | ILPO |
| 21,101,2 | IL EXRP | ILPO |
| 1 | IL SPEC | ILPO |
| 1 | IL SEQUENCE\_LISTING | ILPO |
| 21,101,102,2 | IL EXRP | ILPO |
| 21,101,102,2 | IL A15R | ILPO |
| 101,102 | IL SIST | ILPO |
| 1 | IL CSEX | ILPO |
| 1 | IL EXRS | ILPO |
| 1 | IL CORRO OUT | ILPO |
| 1,4 | IN ABSTRACT | CGPDTM |
| 1,4 | IN AFFIDAVIT | CGPDTM |
| 4 | IN AGREEMENTS | CGPDTM |
| 4 | IN AMENDMENT | CGPDTM |
| 4 | IN ANNEXURES | CGPDTM |
| 4 | IN ASSIGNMENT | CGPDTM |
| 2,23 | IN CERTIFICATES | CGPDTM |
| 4 | IN CERTIFIEDCOPY | CGPDTM |
| 1,4 | IN CLAIMS | CGPDTM |
| 4 | IN CORRESPONDENCE | CGPDTM |
| 4 | IN DECLARATION | CGPDTM |
| 1,4 | IN DESCRIPTION | CGPDTM |
| 1,4 | IN DRAWINGS | CGPDTM |
| 4 | IN EVIDENCE | CGPDTM |
| 2,21,22,101 | IN EXAMREPORTIPO | CGPDTM |
| 2,21,22,101 | IN EXRP | CGPDTM |
| 3,4 | IN FOREIGNFILINGDETAILS | CGPDTM |
| 4 | IN FORM | CGPDTM |
| 2,21,22,101 | IN HEARINGDOCUMENTS | CGPDTM |
| 4 | IN IPEAFORMS | CGPDTM |
| 4 | IN ISAFORMS | CGPDTM |
| 4 | IN INSPECTIONREQ | CGPDTM |
| 4 | IN ISR | CGPDTM |
| 4 | IN MARKEDCOPY | CGPDTM |
| 4 | IN NOTIFICATIONLETTERS | CGPDTM |
| 4 | IN NOTARIZEDCOPY | CGPDTM |
| 2,23 | IN OFFICEACTION | CGPDTM |
| 4 | IN OTHERDOCUMENTS | CGPDTM |
| 4 | IN OTHERREQUESTS | CGPDTM |
| 4 | IN OTHERS | CGPDTM |
| 4 | IN PA | CGPDTM |
| 1,102 | IN PCT | CGPDTM |
| 1,4 | IN PCTFORMS | CGPDTM |
| 3,4 | IN PCTPUBLICATION | CGPDTM |
| 4 | IN POA | CGPDTM |
| 4 | IN PETITION | CGPDTM |
| 4 | IN PRIORITYDOCUMENT | CGPDTM |
| 4 | IN PROOFOFRIGHT | CGPDTM |
| 3,4 | IN PROSECUTIONHISTORY | CGPDTM |
| 4 | IN REPLYTOEXAMREPORT | CGPDTM |
| 4 | IN REQFORPOSTDATING | CGPDTM |
| 4 | IN RESTOOFFICEACTIONS | CGPDTM |
| 1 | IN SEQLIST | CGPDTM |
| 4 | IN STATEMENTS | CGPDTM |
| 4 | IN TRANSLATION | CGPDTM |
| 4 | IN UNDERTAKING | CGPDTM |
| 4 | IN VERIFIEDCOPIES | CGPDTM |
| 4 | IN WITHDRAWALCORRESPONDENCE | CGPDTM |
| 3,4 | IN WRITTENSUBMISSIONS | CGPDTM |
| 1,4 | IN SPECIFICATION | CGPDTM |
| 1 | PCT A19CL | PCT |
| 1 | PCT A19LT | PCT |
| 1 | PCT A19PR | PCT |
| 1 | PCT A19PU | PCT |
| 1 | PCT ABSTR | PCT |
| 1 | PCT ACCPY | PCT |
| 1 | PCT ACSMT | PCT |
| 1 | PCT AMCLS | PCT |
| 1 | PCT APBDY | PCT |
| 1 | PCT APBNP | PCT |
| 1 | PCT APBRS | PCT |
| 1 | PCT ART19 | PCT |
| 1 | PCT BSPD | PCT |
| 1 | PCT CLAIM | PCT |
| 1 | PCT DESCR | PCT |
| 1 | PCT DRAWI | PCT |
| 1 | PCT EAPP | PCT |
| 1 | PCT EAPS | PCT |
| 1 | PCT ETABS | PCT |
| 1 | PCT ETAPB | PCT |
| 1 | PCT ETCLM | PCT |
| 1 | PCT ETDES | PCT |
| 1 | PCT ETDRW | PCT |
| 1 | PCT ISSQ | PCT |
| 1 | PCT ISSS | PCT |
| 1 | PCT ISST | PCT |
| 1 | PCT ISSU | PCT |
| 1 | PCT ISSV | PCT |
| 1 | PCT ISSW | PCT |
| 1 | PCT PCCOM | PCT |
| 1 | PCT PDOC | PCT |
| 1 | PCT SRBTR | PCT |
| 1 | PCT TEAPP | PCT |
| 1 | PCT TEAPS | PCT |
| 1 | PCT TPDOC | PCT |
| 2 | PCT CDESR | PCT |
| 2 | PCT IP2SL | PCT |
| 2 | PCT SRSTR | PCT |
| 2 | PCT SSNEE | PCT |
| 2 | PCT TPOBS | PCT |
| 4 | PCT 3PCOR | PCT |
| 4 | PCT ACOBS | PCT |
| 4 | PCT APCOR | PCT |
| 4 | PCT APOBC | PCT |
| 4 | PCT APOBS | PCT |
| 4 | PCT WOSAC | PCT |
| 1,102 | PCT PAMPH | PCT |
| 101,2 | PCT SS501 | PCT |
| 101,2 | PCT SSET | PCT |
| 101,2 | PCT SSTR | PCT |
| 21,101,102,2 | PCT ESR | PCT |
| 21,101,102,2 | PCT ETISR | PCT |
| 21,101,102,2 | PCT ISR | PCT |
| 21,101,102,2 | PCT ISRNO | PCT |
| 2,101,102,2 | PCT ITSR | PCT |
| 2,101,102,3 | PCT ROESR | PCT |
| 2,101,102,4 | PCT TESR | PCT |
| 21,102,2 | PCT A172A | PCT |
| 21,102,3 | PCT ETA17 | PCT |
| 21,102,4 | PCT ETWOS | PCT |
| 21,102,5 | PCT WOSA | PCT |
| 21,102,6 | PCT WOSAR | PCT |
| 21,102,7 | PCT WOSNO | PCT |
| 23,102,2 | PCT BSEI | PCT |
| 23,102,3 | PCT BSIP | PCT |
| 23,102,4 | PCT ETIP1 | PCT |
| 23,102,5 | PCT ETIP2 | PCT |
| 23,102,6 | PCT ETIPE | PCT |
| 23,102,7 | PCT IPER | PCT |
| 23,102,8 | PCT IPR2R | PCT |
| 23,102,9 | PCT IPRP1 | PCT |
| 23,102,10 | PCT IPRP2 | PCT |
| 23,2 | PCT IPRP | PCT |
| 102 | PCT IASR | PCT |
| 102 | PCT PAMPHLET | PCT |
| 4 | JP A51 | JPO |
| 4 | JP A521 | JPO |
| 4 | JP A5210 | JPO |
| 4 | JP A5211 | JPO |
| 4 | JP A5212 | JPO |
| 4 | JP A522 | JPO |
| 4 | JP A523 | JPO |
| 4 | JP A524 | JPO |
| 4 | JP A525 | JPO |
| 4 | JP A526 | JPO |
| 4 | JP A527 | JPO |
| 4 | JP A528 | JPO |
| 4 | JP A529 | JPO |
| 4 | JP A53 | JPO |
| 4 | JP A55 | JPO |
| 4 | JP A59 | JPO |
| 4 | JP A601 | JPO |
| 4 | JP A603 | JPO |
| 4 | JP A621 | JPO |
| 4 | JP A623 | JPO |
| 4 | JP A624 | JPO |
| 4 | JP A625 | JPO |
| 4 | JP A626 | JPO |
| 4 | JP A627 | JPO |
| 4,1 | JP A63 | JPO |
| 4,1 | JP A63 | JPO |
| 4,1 | JP A631 | JPO |
| 4,1 | JP A632 | JPO |
| 4,1 | JP A633 | JPO |
| 4,1 | JP A6330 | JPO |
| 4,1 | JP A6331 | JPO |
| 4,1 | JP A6332 | JPO |
| 4,1 | JP A6333 | JPO |
| 4,1 | JP A6333 | JPO |
| 4,1 | JP A634 | JPO |
| 4,1 | JP A6340 | JPO |
| 4,1 | JP A6341 | JPO |
| 4,1 | JP A6342 | JPO |
| 4,1 | JP A6343 | JPO |
| 4 | JP A635 | JPO |
| 4 | JP A67 | JPO |
| 4 | JP A681 | JPO |
| 4 | JP A691 | JPO |
| 4 | JP A711 | JPO |
| 4 | JP A712 | JPO |
| 4 | JP A7421 | JPO |
| 4 | JP A7422 | JPO |
| 4 | JP A7423 | JPO |
| 4 | JP A7424 | JPO |
| 4 | JP A7425 | JPO |
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| 4 | JP A764 | JPO |
| 4 | JP A765 | JPO |
| 4 | JP A781 | JPO |
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| 4 | JP A792 | JPO |
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| 4 | JP A801 | JPO |
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| 4 | JP A82 | JPO |
| 4 | JP A821 | JPO |
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| 4 | JP A87 | JPO |
| 4 | JP A871 | JPO |
| 4 | JP A872 | JPO |
| 4 | JP A881 | JPO |
| 4 | JP A914 | JPO |
| 4 | JP A915 | JPO |
| 4 | JP A915 | JPO |
| 4 | JP A916 | JPO |
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| 4,101,102 | JP IB210 | JPO |
| 4,101,102 | JP IB21J | JPO |
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| 4 | JP IB305 | JPO |
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| 4 | JP IB307 | JPO |
| 4 | JP IB310 | JPO |
| 4 | JP IB317 | JPO |
| 4 | JP IB318 | JPO |
| 4 | JP IB31A | JPO |
| 4 | JP IB31B | JPO |
| 4 | JP IB31B1 | JPO |
| 4 | JP IB31C | JPO |
| 4 | JP IB31C1 | JPO |
| 4,101,102 | JP IB31E | JPO |
| 4,101,102 | JP IB31J | JPO |
| 4 | JP IB324 | JPO |
| 4 | JP IB325 | JPO |
| 4 | JP IB331 | JPO |
| 4 | JP IB334 | JPO |
| 4 | JP IB335 | JPO |
| 4,101,102 | JP IB338 | JPO |
| 4 | JP IB339 | JPO |
| 4 | JP IB345 | JPO |
| 4 | JP IB346 | JPO |
| 4,1,102 | JP IB349 | JPO |
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| 4,1 | JP IB3495 | JPO |
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| 4 | JP IB3731 | JPO |
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| 4 | JP IB500 | JPO |
| 4 | JP IB501 | JPO |
| 4 | JP IB502 | JPO |
| 4 | JP IBC101 | JPO |
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| 4 | JP IBC305 | JPO |
| 4 | JP IBC306 | JPO |
| 4 | JP IBC307 | JPO |
| 4 | JP IBC310 | JPO |
| 4 | JP IBC317 | JPO |
| 4 | JP IBC31B | JPO |
| 4 | JP IBC31C | JPO |
| 4,101,102 | JP IBC31E | JPO |
| 4,101,102 | JP IBC31J | JPO |
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| 4 | JP IBC325 | JPO |
| 4 | JP IBC331 | JPO |
| 4 | JP IBC334 | JPO |
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| 4 | JP IBC339 | JPO |
| 4 | JP IBC345 | JPO |
| 4,102 | JP IBC349 | JPO |
| 4 | JP IBC350 | JPO |
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| 2,21,23,101,103 | JP A01 | JPO |
| 2,23,101 | JP A02 | JPO |
| 2 | JP A031 | JPO |
| 2 | JP A032 | JPO |
| 2 | JP A033 | JPO |

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# APPENDIX

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Draft OAS API specification: (<https://www.wipo.int/edocs/mdocs/classifications/en/cws_7/cws_7_4-appendix1.zip>)