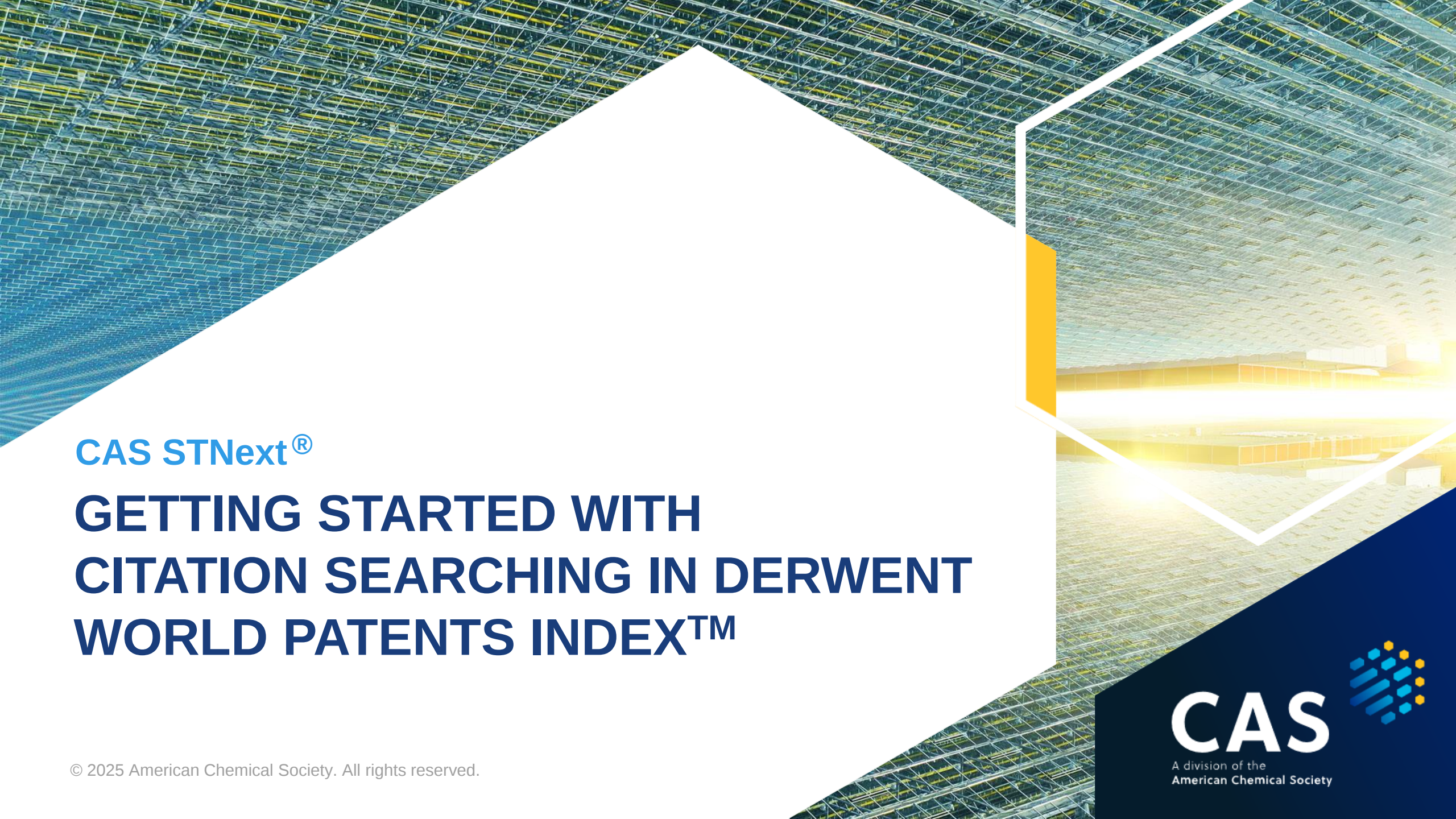




CAS STNext®

GETTING STARTED WITH CITATION SEARCHING IN DERWENT WORLD PATENTS INDEX™

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Agenda

- Introduction
- Availability of Citations
- Citation Display Options
- Basic Citation Search
- User Material

Citation Data in DWPI

40 million Derwent records enriched with citations

- **Derwent Patents Citation Index™** - unique collection of backward and forward patent and literature citations from 32 patent authorities
- **Value-added content** for all patent citations, including Derwent patent assignee codes and accession numbers
- New synergies make it much easier to combine a standard DWPI search with a citation search
- **High precision retrieval capabilities** with display options on publication and Derwent family level
- **Meaningful citation counts** help identify inventions of high relevance

Examiner citations

EUROPEAN SEARCH REPORT Application Number: EP 21 15 7232

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	WO 2018/031599 A1 (UNIV CALIFORNIA [US]) 15 February 2018 (2018-02-15) * paragraphs [0014], [0016], [0069] * * paragraphs [0091] - [0095] * * paragraph [0060] * * page 17, NMR-procedure of paragraph 87 together with the referring paragraph 92 on page 18, and the paragraph 72 with regard to evaporation and washing steps * * paragraph [0070] * *****	1-9	INV. G01N23/20 C07D213/06 C07D401/14

EP 4 043 871 A1

REFERENCES CITED IN THE DESCRIPTION

This list of references cited by the applicant is for the reader's convenience only. It does not form part of the patent document. Even though great care has been taken in compiling the references, errors may have occurred and the EPO disclaims all liability in this regard.

Patent documents cited in the description

- WO 2014038220 A [0004]
- WO 2016143872 A [0004]

Non-patent literature cited in the description

- Y. INOKUMA et al. *Nature*, 2013, vol. 495, 461-466 [0004]
- *Corrigendum: Nature*, 2013, 501 [0004]
- M. HOSHINO et al. *IUCrJ*, 2016, vol. 3, 139-151 [0004]
- WADA. *Crystalline-Sponge-synthesis of Crude Natural Product*. *Int. Ed. Engl.*, 2018, vol. 57,

Applicant citations

Opposition

Third party observations

Availability of citation data – use FA-field

Citation data are available for 60% of all DWPI Records

=> S FARB/PACO
L1 40837 FARB/PACO
(FARB-C/PACO)

=> S FARB/PACO AND CDP/FA
L2 31630 FARB/PACO AND CDP/FA

=> S FARB/PACO AND CDL/FA
L3 21155 FARB/PACO AND CDL/FA

=> S FARB/PACO AND CGP/FA
L4 33402 FARB/PACO AND CGP/FA

Cited patents

Cited non-patent literature

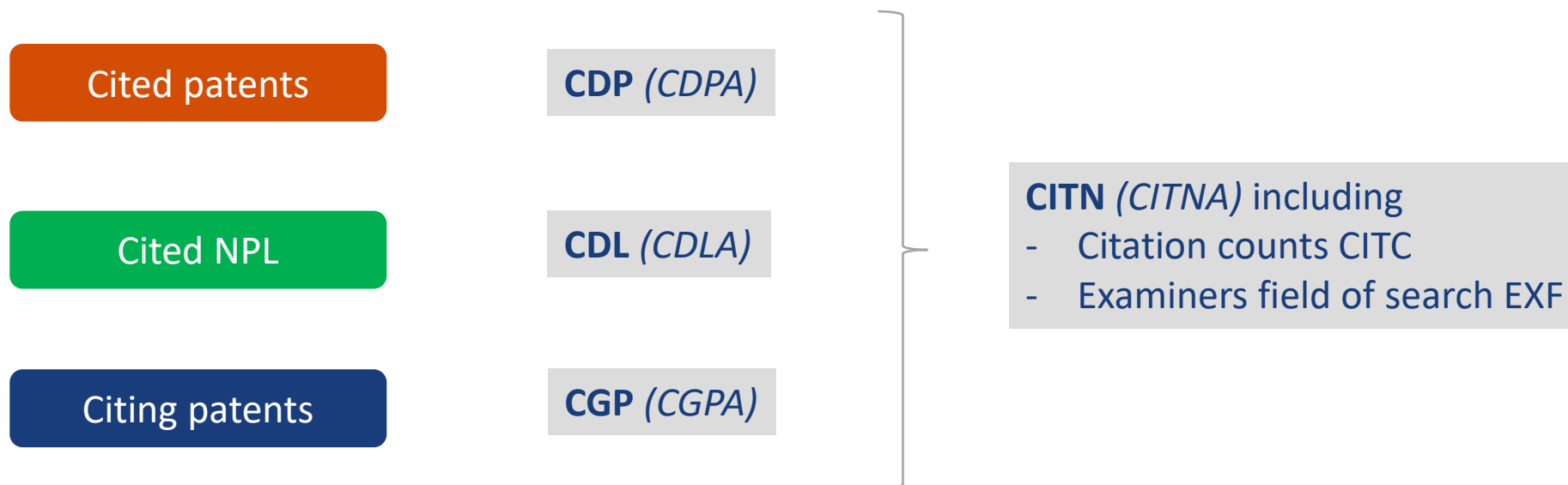
Citing patents

Backward citations

Forward citations

Citation display options

- DWPI offers two types of citation displays
 - Display formats including **all citation details** for individual publications
 - *Abbreviated display formats* with **deduplicated citation information** on Derwent family level
- **HIT display option** to focus on the citations relevant for the search



Citation information for Derwent Record 2021-02979S

The Derwent family of 2021-02979S includes citation information for 4 family members

=> D AN TI PA PN

L1

ANSWER 1 OF 1 WPIX COPYRIGHT 2022 CLARIVATE on STN

AN

2021-02979S [2021006] WPIX

TI

System for delivering medications for treatment of various diseases, ailments such as asthma, includes cloud-based server, inhaler, electronics module, and first mobile application residing on first mobile device

PA

(NORT-N) NORTON WATERFORD LTD; (TEVA-N) TEVA BRANDED PHARM...

PI

US 20210001061

A1 20210107 (2021006)* EN 25[6]

EP 3761318

A1 20210106 (2021006) EN

WO 2021007154

A1 20210114 (2021006) EN

US 11173259

B2 20211116 (2021093) EN

CA 3145869

A1 20210114 (2022011) EN

AU 2020309514

A1 20220217 (2022016) EN

CN 114206416

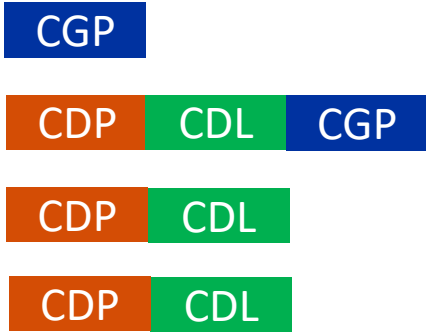
A 20220318 (2022027) ZH

KR 2022031651

A 20220311 (2022027) KO

JP 2022539267

T 20220907 (2022072) JA



- CDP cited patents
- CDL cited NPL
- CGP citing patents

Citation display example: Cited Patents (CDP, all details)

L1 ANSWER 1 OF 1 WPIX COPYRIGHT 2022 CLARIVATE on STN
AN 2021-02979S [2021006] WPIX
TI System for delivering medications for treatment of various diseases,
ailments such as asthma, includes cloud-based server, inhaler, electronics
module, and first mobile application residing on first mobile device

CDP Cited Patents

Citing Publication	By	Cat	Cited Patent	Date	Accession Number
EP 3761318 A1	E	AY	US 20170235918 A1	20170817	2016-25288W
PA: (SUMN-N) SUMNER BLUFFS LLC					
IN: HAGEN T; HAGEN T A; ZASTROW J					
Relevant passages: pp. W ; para 5, para 13, fig. 1 ; para 47, para 48					
Relevant to claim: 9,10 1-8					
oooooooooooo					
WO 2021007154 A1	E	AY	US 20170235918 A1	20170817	2016-25288W
PA: (SUMN-N) SUMNER BLUFFS LLC					
IN: HAGEN T; HAGEN T A; ZASTROW J					
Relevant passages: pp. W ; para 5, para 13, fig. 1 ; para 47, para 48					
Relevant to claim: 9,10 1-8					
oooooooooooo					

The Derwent family member
EP3761318 A1 cites
US20170235918 A1 which is an
examiner citation with citation
category A and Y.

Derwent Family Members

Citation display example: Cited Patents (CDPA, dedupl.)

L1 ANSWER 1 OF 1 WPIX COPYRIGHT 2022 CLARIVATE on STN
AN 2021-02979S [2021006] WPIX
TI System for delivering medications for treatment of various diseases,
ailments such as asthma, includes cloud-based server, inhaler, electronics
module, and first mobile application residing on first mobile device

Cited Patents

Cited Publication	By	Accession Number
US 9035765 B2	E	2015-16768M
US 10019555 B2	E	2015-26376K
US 20030113269 A1	E	2002-025964
US 20160036898 A1	E	2016-09627T
US 20170076065 A1	E	2017-18774U
US 20170235918 A1	EA	2016-25288W
US 20170290527 A1	E	2016-13907K
US 20180140786 A1	E	2018-40388X
US 20190240430 A1	E	2019-684519
WO 2018104268 A1	EA	2018-46595G
WO 2018200431 A1	EA	2018-856275
US 8424517 B2	A	2009-P83440
US 8464707 B2	A	2005-235885
000000000		

The **CDPA display** includes:

- a deduplicated list of cited patent numbers (/PN.D) with the **origin of the citation** (/ORC)
- The cited Derwent accession number (/AN.D)

Cited Derwent accession numbers (/AN.D) could be used to extend a standard DWPI search

Retrieve cited/citing DWPI records of 2021-02979S

Use the SELECT command to retrieve cited/citing DWPI records

```
=> S 2021-02979S/an
L2          1 2021-02979S/AN

=> SEL AN.D AN.G
E1 THROUGH E65 ASSIGNED

=> D SEL 1-
E#      FILE          FREQUENCY  TERM
--      ----          -
E1      WPIX          4          2009-J80299/AN.D
E2      WPIX          1          2002-025964/AN.D
000000
E64      WPIX          1          2021-35041J/AN.G
E65      WPIX          1          2021-70845R/AN.G

=> S E1-65/AN
L3          65 (2009-J80299/AN OR 2002-025964/AN ...)

=> D FULL 1-65
```

SELECT cited/citing Derwent accession numbers with SEL **AN.D AN.G**

Search these accession numbers in the field /AN and display the results

2021-02979S includes references to 65 cited/citing Derwent records

Use L3 for an **in-depth evaluation of cited patents**

Non-patent literature citations with DOI links

DOI links take you to the journal full-text

=> S 2022-98245J/AN

=> D AN TI PA PN CDL

CDL is a search and display field for NPL citations

AN 2022-98245J [2022074] WPIX
TI Vaccine composition useful for breaking self-tolerance against self-protein of host and preventing or treating e.g. AIDS comprises polyprotein or DNA or RNA encoding for polyprotein immunostimulatory oligonucleotides
PA (FARB-C) BAYER ANIMAL HEALTH GMBH
PI WO 2022162204 A1 20220804 (2022074)* EN 232[79]

CDL Literature Citations

Citing Publication	By	Cat	Literature Reference
--------------------	----	-----	----------------------

WO 2022162204 A1	E	A	BERNHARD KRATZER ET AL: "All the small things: How virus-like particles and liposomes modulate allergic immune responses", EUROPEAN JOURNAL OF IMMUNOLOGY, WILEY-VCH, HOBOKEN, USA, vol. 50, no. 1, 15 December 2019 (2019-12-15), pages 17 - 32, XP071228436, ISSN: 0014-2980, DOI:10.1002/eji.201847810, relevantClaims[3-25], relevantPassages[pp. w,] DOI: https://doi.org/10.1002/EJI.201847810
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European Journal of
Immunology
Basic • Clinical • Translational

Review | Clinical | [Open Access](#) |

All the small things: How virus-like particles and liposomes modulate allergic immune responses

Bernhard Kratzer, Sandra Hofer, Maja Zabel, Winfried F. Pickl

First published: 04 December 2019 | <https://doi.org/10.1002/eji.201847810> | Citations: 9

SECTIONS

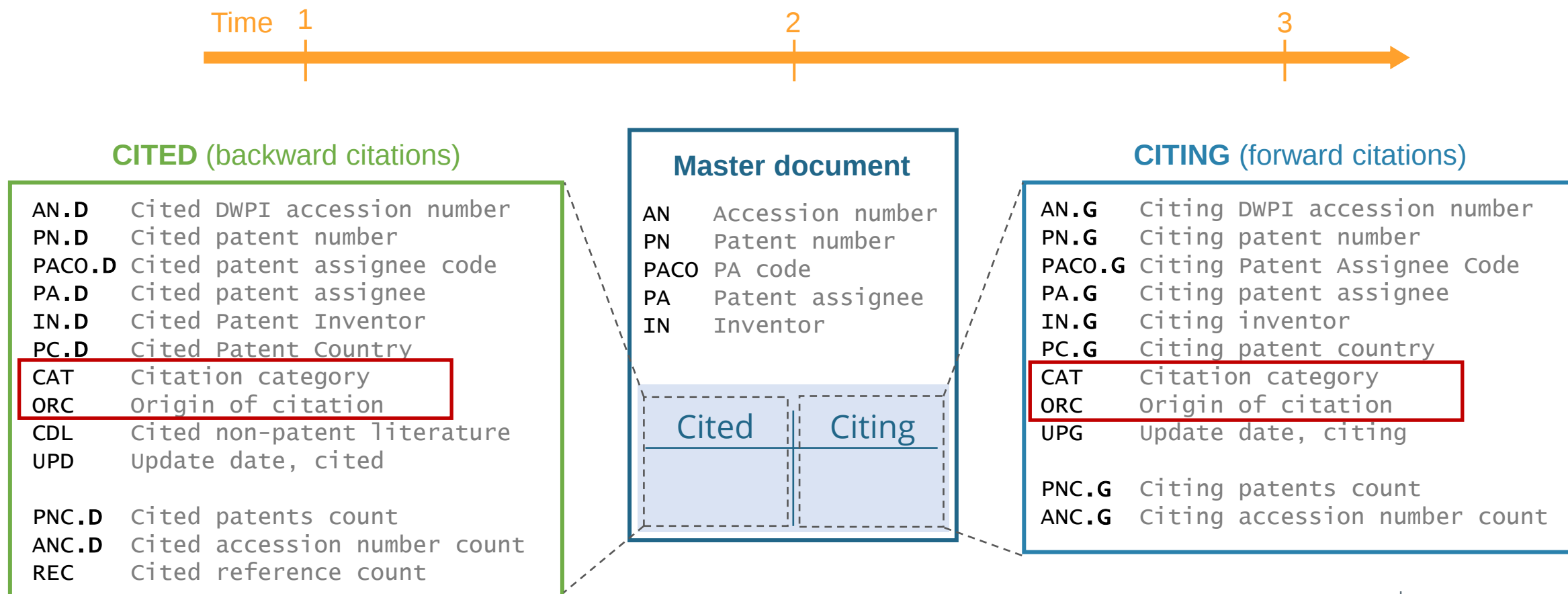
PDF TOOLS SHARE

Abstract

Recent years have seen a dramatic increase in the range of applications of virus-like

Citation information is fully searchable

Citation information is fully searchable



Use HIT Display with specific citation search

Who is citing Biontech's key inventions?

```
=> S (2017-68573S OR 2019-37061G OR 2017-67407L)/AN.D
L1      63 (2017-68573S OR 2019-37061G OR 2017-67407L)/AN.D
```

```
=> D FULL HIT
```

```
L1  ANSWER 1 OF 63  WPIX COPYRIGHT 2022  CLARIVATE on STN
AN  2022-C1548J [2022082]  WPIX
TI  Synthetic alphavirus-derived replicon nucleic acid molecule for
    treating symptoms of disease or condition such as FMD, cancer is
PA  (TIBA-N) TIBA BIOTECH LLC; (TIBA-N) TIBA BIOTECH
0000
CDP  Cited Patents
-----
```

Citing Publication	By	Cat	Cited Patent	Date	Accession Number
WO 2022198002 A1	E	A	US 20200299725 A1	20200924	2017-67407L
PA: (BION-N) BIONTECH RNA PHARM GMBH; (UMTT-C) UNIV MAINZ TRON TRANSLATIONALE ONKOLOGIE					
IN: BEISSERT T; PERKOVIC M; SAHIN U					
Relevant passages: entire document					
Relevant to claim: 1, 2, 4-6, 41-46, 61-64					

Use the Derwent accession numbers of Biontech's key inventions and search them as cited AN in **/AN.D**

You can fully display DWPI records which cite Biontech's key inventions with **FULL HIT**

Tiba Biotech (WO2022198002 A1) cites US20200299725 A1 of Biontech.

User documentation DWPI citations

- Online helps

HELP CITATIONS	general information plus coverage details
HELP 3SFIELDS	citation search fields
HELP DFIELDS	citation display fields
HELP FORMAT	citation display formats
HELP 3EFIELDS	citation select fields
HELP SRTFIELDS	citation sort fields

- Summary sheet

<https://web.cas.org/marketing/solutions/stn-ip/stn-database/wpindex.pdf>

- Reference manual: The Derwent Patents Citation Index in DWPI

<https://cas-stnext.zendesk.com/hc/en-us/articles/29952385357453-Derwent-Patent-Citation-Index-in-DWPI>

For more information...

CONTACT

CAS
help@cas.org
cas.org

FIZ Karlsruhe
EMEAhelp@cas.org