CAS STNEXT® COFFEE LECTURE

BEST PRACTICES FOR SEARCHING INVENTORS/AUTHORS ON CAS STNEXT

Jim Brown – FIZ Karlsruhe

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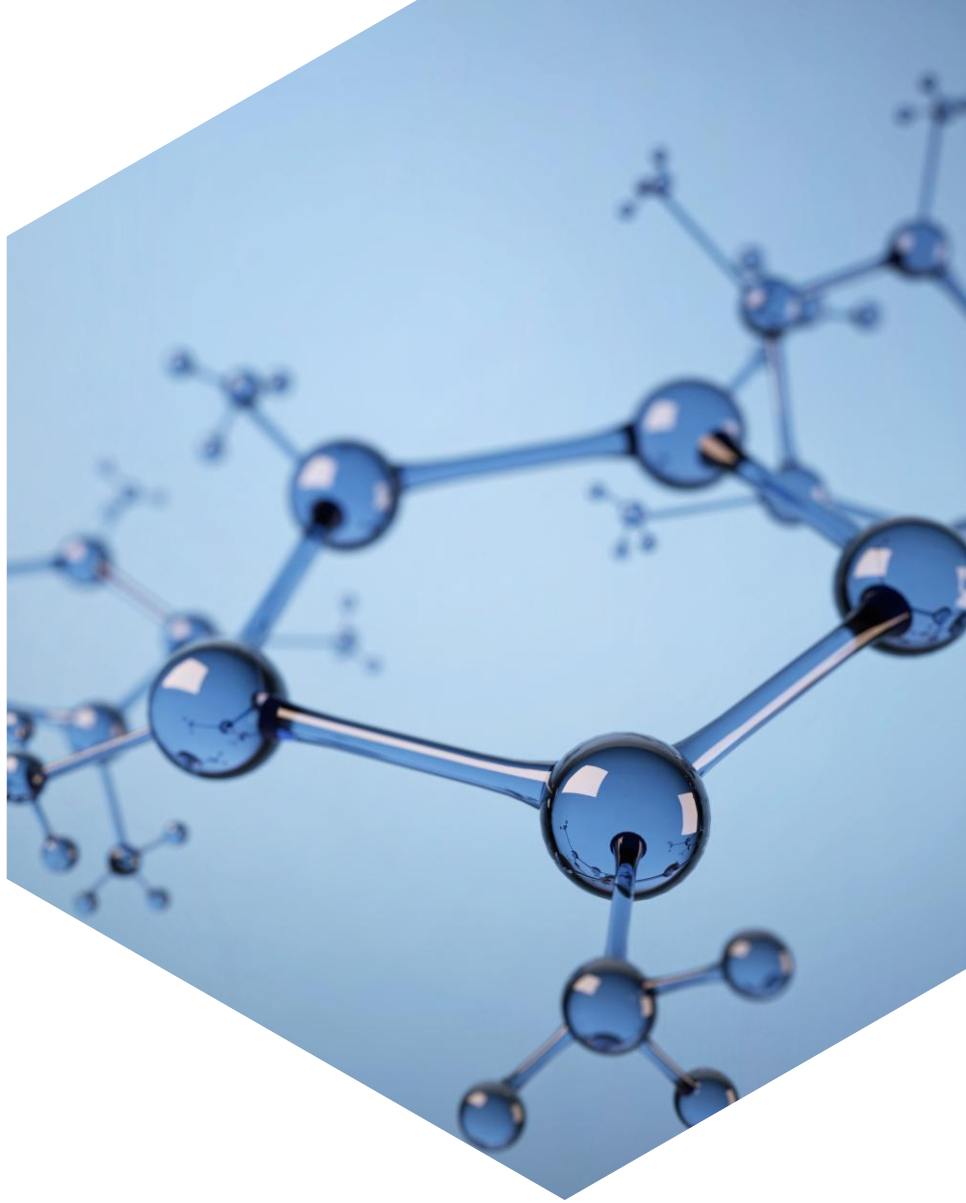
AGENDA

- Inventor/author data
  - First level data
  - Database standardization?
  - Patent family databases
  - ORCID information
- Search considerations



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Inventor/author data considerations- patents

- Patent authority dependent
  - Different forms to fill out?
- Database dependent
  - Standardization vs first level data
- Patent family databases
  - Multiple sources
  - Deduplication
- Always check STN Database summary sheets to see available fields

Patent authority dependent

- Different forms to fill out
  - Do all forms ask for a middle name? Jr? III?
  - Amount of address information?

Inventor/author data

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
05 June 2025 (05.06.2025)

WIPO | PCT

(10) International Publication Number
WO 2025/116895 A1

(51) International Patent Classification:
B64U 80/82 (2023.01) *B64C 29/00* (2006.01)

(21) International Application Number:
PCT/US2023/081464

(22) International Filing Date:
28 November 2023 (28.11.2023)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
18/520,999 28 November 2023 (28.11.2023) US

(71) Applicant: **SPYDAR SENSORS INCORPORATED** [US/US]; 3305 Prosperity Avenue, Fairfax, VA 22031 (US).

(72) Inventors: **JOHNSON, Michael**; 418 Apricot Street, Stafford, VA 22554 (US). **DANA, Stuart**; 10370 Launch Circle, Apt. 303, Manassas, VA 20109 (US).

(74) Agent: **RATCLIFFE, Paul**; 44081 Pipeline Plaza, Suite 305, Ashburn, VA 20147 (US).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, MG, MK, MN, MU, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ,

(19) **United States**

(12) **Patent Application Publication**
Johnson et al.

(10) **Pub. No.: US 2025/0171141 A1**
(43) **Pub. Date: May 29, 2025**

(54) **A VERTICAL TAKEOFF AND LANDING ASSISTANCE AIRCRAFT USING FIXED ANGLE DUCTED MOTORS**

(71) Applicant: **SpyDar Sensors, Inc.**, Fairfax, VA (US)

(72) Inventors: **Michael Andrew Johnson**, Stafford, VA (US); **Stuart Theodore Dana**, Manassas, VA (US)

(21) Appl. No.: **18/520,999**

(22) Filed: **Nov. 28, 2023**

Publication Classification

(51) **Int. Cl.**
B64C 37/02 (2006.01)
B64C 11/00 (2006.01)
B64C 29/00 (2006.01)

(52) **U.S. Cl.**
CPC ***B64C 37/02*** (2013.01); ***B64C 11/001*** (2013.01); ***B64C 29/0091*** (2013.01)

(57) **ABSTRACT**

The present invention provides a vertical takeoff and landing assistance aircraft which mates with deployable aircraft to assist the deployable aircraft with takeoff and landing. The assistance aircraft may incorporate the use of one or more multi-motor assemblies for enhanced aircraft performance. The vertical takeoff and landing assistance aircraft is designed to allow the deployable aircraft to be mated or fastened to the top portion of the assistance aircraft allowing a top release of the deployable aircraft. The assistance aircraft, upon deployment of the deployable aircraft, drops below the deployable aircraft. The assistance aircraft also includes one or more methods for deployment and recapture of the deployable aircraft.

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PN, IN, INO and INA fields in DWPI

```
L1    ANSWER 1 OF 1  WPINDEX COPYRIGHT 2025   CLARIVATE on STN
PI    WO 2025116895    A1 20250605 (2025048)* EN 63[16]
      US 20250171141   A1 20250529 (2025048)  EN
IN    DANA S; DANA S T; JOHNSON M; JOHNSON M A

Member(0001)
INO   JOHNSON, Michael; DANA, Stuart

Member(0002)
INO   Dana, Stuart Theodore; Johnson, Michael Andrew

Member(0001)
INA   418 Apricot Street, Stafford, VA 22554, US; 10370 Launch Circle, Apt. 303,
      Manassas, VA 20109, US

Member(0002)
INA   Manassas, VA, US; Stafford, VA, US
```


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PN IN INS INA fields in INPAFAMDB

```
=> D PN IN INS INA


L2     ANSWER 1 OF 1          INPAFAMDB COPYRIGHT 2025 EPO/FIZ KA on STN
PI     US 20250171141           A1 20250529 *
PI     WO 2025116895            A1 20250605
IN     Johnson, Michael Andrew; Dana, Stuart Theodore
INS    DANA STUART THEODORE, US; DANA STUART, US; JOHNSON MICHAEL ANDREW, US;
       JOHNSON MICHAEL, US
```

Notice lack of INA data

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PN and IN fields in PCTFULL

```
L5      ANSWER 1 OF 1 PCTFULL  COPYRIGHT 2025 LNBIS on STN.
PI      WO 2025116895              A1    20250605
IN      JOHNSON, Michael, 418 Apricot Street, Stafford, VA 22554, US, for all
        designated states
        DANA, Stuart, 10370 Launch Circle, Apt. 303, Manassas, VA 20109, US, for
        all designated states
```


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CAS
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PN and IN fields in USPATFULL

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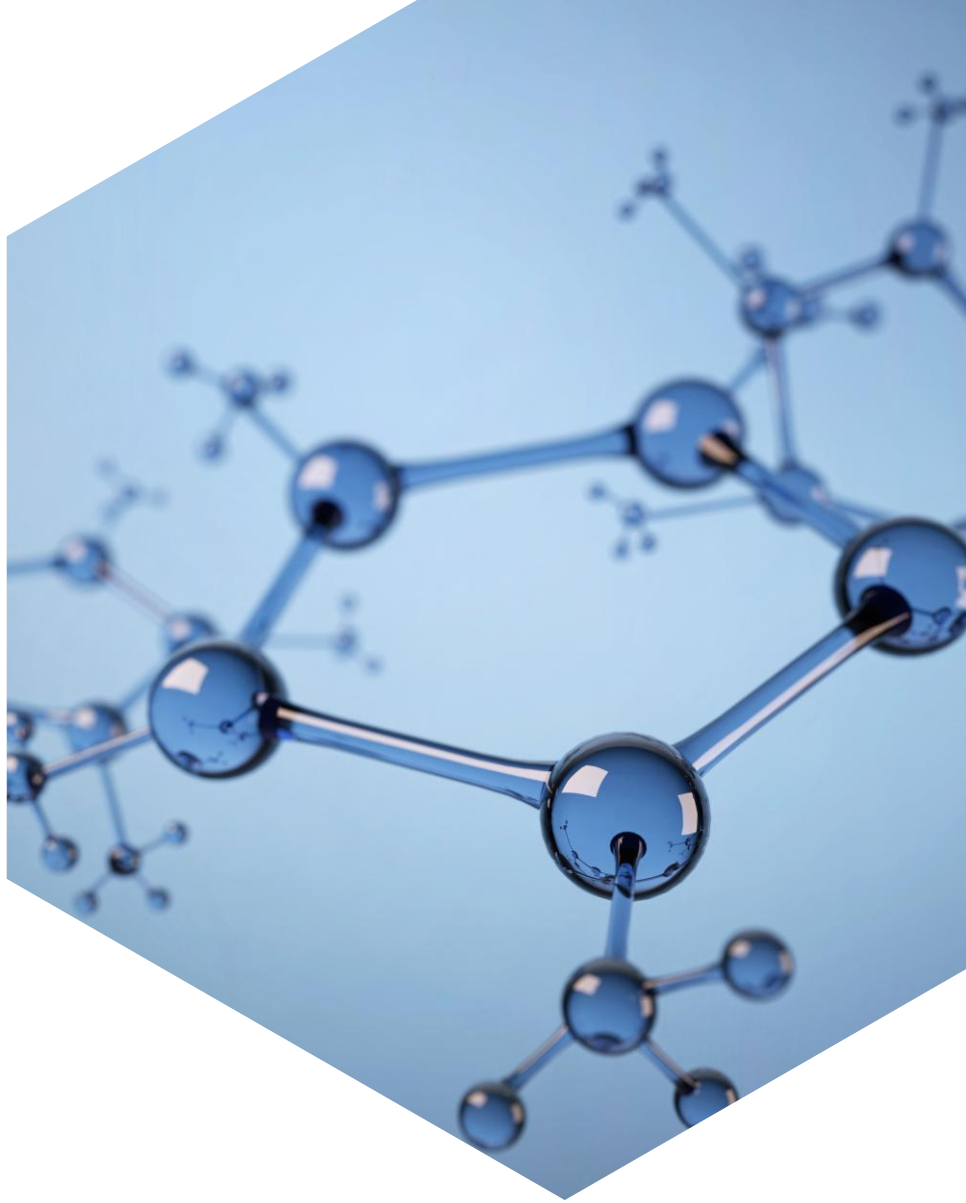
L6    ANSWER 1 OF 1  USPATFULL on STN
PI         US 20250171141          A1   20250529
IN         Johnson, Michael Andrew, Stafford, VA, UNITED STATES
           Dana, Stuart Theodore, Manassas, VA, UNITED STATES
```

Inventor/author data search

- EXPAND, EXPAND EXPAND!
- Test all name variations
  - **E *Last name First initial***
  - **E *Last name First name***
  - If a name is ambiguous (i.e., not sure which name is the surname), EXPAND both ways
    - E JOHN W/AU
    - E JOHN WAYNE/AU
    - E WAYNE J/AU
    - E WAYNE JOHN/AU

AGENDA

- Inventor/author data
  - First level data
  - Database standardization?
  - Patent family databases
  - ORCID information
- Search considerations



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Patent family databases

- CAplus, DWPI, INPADOCDB/INPAFAMDB, ReaxysFileBib
- Data from different patenting authorities
  - Different amounts, different formats
  - Deduplication is for exact matches. If the inventor's name is not identical in multiple documents in the same patent family, it will not be deduplicated

Inventor/author data search in CAplus

- Two different search fields
- /IN – finds patent family records only
- /AU – finds patent family records and non-patent literature records
- To find non-patent literature records, search /AU field and then NOT out P/DT
- **/AU AND /IN ARE NOT SYNONYMS IN CAPLUS OR REAXYSFILEBIB!**

CAplus database summary sheet

General Search Fields

Search Field Name	Search Code	Search Examples	Display Codes
Basic Index * (contains single words from title (TI), supplementary term (ST), index term (IT), and abstract (AB) fields, as well as CAS Registry Numbers)	None (or /BI or /IA)	S 50-21-5 S TRANSGENIC COTTON S ?FLUOROCARBON? S (WATER(S)OIL)/BI	AB, IT, ST, TI
Basic Index plus Claims *	/BI,BIEX or /BI,CLM	S ALLOPURINOL/BI,BIEX S TRANSGENIC/BI,CLM(W)COTTON/BI,CLM	BIB CLM ALL CLM
Abstract *	/AB	S (WATER(1W)OIL)/AB S LD50/AB S HIGH TEMP?/AB S (HIV(S)TREAT?)/AB	AB
Accession Number	/AN	S 1966:508061/AN	AN, DN
Author (inventor)	/AU	S LEHNINGER A?/AU S (DUCHEYNE P?(S)EDITOR#)/AU S ANON/AU	AU, IN
CA Section Cross Reference (number and title) **(1,2)**	/SX	S 1/SX S ANALYTICAL/SX S RADIATION CHEMISTRY/SX	CC
International Patent Reclassification	/IPCR	S C08L 0061-00/IPCR	IPCR, CLASS
Inventor	/IN	S PATTON JERRY R/IN	IN
National Patent Classification, Current **(8)**	/NCL (or /USNCL or /USCLA)	S 106035000/NCL S 106/035.000/NCL	NCL, CLASS

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Inventor/author data search – non-patent literature in CAplus

Inventor is Michael Andrew Johnson

```
=> E JOHNSON M/AU

E1            1      JOHNSON LYTIA/AU
E2            1      JOHNSON LYTLE/AU
E3         1529 --> JOHNSON M/AU
E4          267      JOHNSON M A/AU
E5            1      JOHNSON M A JR/AU
E6           42      JOHNSON M A L/AU
E7            2      JOHNSON M A T/AU
E8            1      JOHNSON M ANTHONY/AU
E9           13      JOHNSON M AUSTIN/AU
E10         157      JOHNSON M B/AU
E11          20      JOHNSON M BRITTANY/AU
E12         128      JOHNSON M C/AU

=> S E3 OR E4

          1529 "JOHNSON M"/AU
           267 "JOHNSON M A"/AU
L1        1796 "JOHNSON M"/AU OR "JOHNSON M A"/AU
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=> E JOHNSON MICHAEL/AU 15

E1            4      JOHNSON MICAYLA A/AU
E2            1      JOHNSON MICHAEI S/AU
E3          399 --> JOHNSON MICHAEL/AU
E4          224      JOHNSON MICHAEL A/AU
E5            5      JOHNSON MICHAEL A C/AU
E6            1      JOHNSON MICHAEL A C O MINNESOT/AU
E7            1      JOHNSON MICHAEL A L/AU
E8            1      JOHNSON MICHAEL ALEXANDER/AU
E9            1      JOHNSON MICHAEL ALFRED/AU
E10           3      JOHNSON MICHAEL ALLAN/AU
E11           2      JOHNSON MICHAEL ALLEN/AU
E12           2      JOHNSON MICHAEL ANDREW/AU
E13           6      JOHNSON MICHAEL ANTHONY/AU
E14           9      JOHNSON MICHAEL AUSTIN/AU
E15          10      JOHNSON MICHAEL B/AU

=> S E3 OR E4 OR E12

           399 "JOHNSON MICHAEL"/AU
           224 "JOHNSON MICHAEL A"/AU
             2 "JOHNSON MICHAEL ANDREW"/AU
L2         625 "JOHNSON MICHAEL"/AU OR "JOHNSON MICHAEL A"/AU OR "JOHNSON MICHA
               EL ANDREW"/AU
```


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Inventor/author data search – non-patent literature in CAplus

Inventor is Michael Andrew Johnson

```
=> S L1 OR L2

L3          2421 L1 OR L2

=> S L3 AND P/DT

      21824087 P/DT
L4          204 L3 AND P/DT

=> S L3 NOT L4

L5          2217 L3 NOT L4

=> D BIB
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L5    ANSWER 1 OF 2217  HCAPLUS  COPYRIGHT 2025 ACS on STN

AN    2025:1703935  HCAPLUS Full-text
TI    Machine- and deep-learning-driven angular momentum inference from BHEX
      observations of the n = 1 photon ring
AU    Farah, Joseph; Davelaar, Jordy; Palumbo, Daniel; Johnson, Michael;
      Delgado, Jonathan
CS    Las Cumbres Observatory, Goleta, CA, 93117-5575, USA
SO    arXiv.org, e-Print Archive, Astrophysics (2024) 1-15, 2024
      CODEN: AARSC7
      URL: http://arxiv.org/archive/astro-ph
PB    Cornell University Library
DT    Preprint
LA    English
```


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DWPI Inventor/author data

- Two different search fields for inventor names
  - IN – The Derwent collated and deduplicated inventor information
    - Standardized to Derwent specifications – Last name, first initial, middle initial?, etc.?
  - INO – Original inventor information – Name as it appears on the face of the document(s)
- Additional fields for possible address information
- Derwent covers over 60 patenting authorities, but not every authority includes INO information
  - For a complete list of first level data in DWPI, go to Derwent World Patents Index – CAS STNext. At the bottom of the page, click on 2_Summary Table DWPI -2022.xlsx under the Attachments banner

DWPI database summary sheet

DWPI Invention Level - Search Fields (cont'd)

Search Field Name	Search Code	Search Examples	Display Codes
International Patent Classification (all versions (1-8): ICA, ICI, ICM, ICS, IPC REF) **(8)**	/IPC	S C12P0021-08/IPC S C12P0021/IPC S C12P/IPC	IPC
Inventor	/IN (or /AU)	S HALE, A H/IN S HALE A H/IN,PA	IN
IPC, Action Date **(4)**	/IPC.ACD	S IPC.ACD>20070107	IPC.TAB

DWPI database summary sheet

Additional DWPI Individual Patent Publication (often First Level Data)

Search Fields

Fields that allow left truncation are indicated by an asterisk (*).

Search Field Name	Search Code	Search Examples	Display Codes
Field Availability (Individual Members)	/FA.M	S CLMEN/FA.M	FA.M
Inventor Address **(3)**	/INA	S HEIDELBERG/INA	INA
Inventor, City	/IN.CTY	S WIEN/IN.CTY	INA
Inventor, Country	/IN.CNY	S DE/IN.CNY	INA
Inventor, Nationality (WIPO Code)	/IN.NAT	S AT/IN.NAT	INA
Inventor, Original	/INO	S MAYER DALE J/INO	INO
Inventor, Postal Code	/IN.ZIP	S 69469/IN.ZIP	INA
Inventor, Residence (WIPO Code)	/IN.RES	S BE/IN.RES	INA
Inventor, State	/IN.ST	S OH/IN.ST	INA
Inventor, Surname	/INO.SNM	S SCHEKINEN/INO.SNM	INO
Inventor, Total **(3)**	/IN.T	S MAYER?/IN.T	IN.T
IPC, Initial (IICM, IICS)	/IIC	S A01B000/IIC	IIC

Note: Not all patenting authorities include first level data in DWPI.

INPAFAMDB database summary sheet

INPAFAMDB

Bibliographic Search Fields (cont'd)

Search Field Name	Search Code	Search Examples	Display Codes
Filing Country for PCT Priorities (WIPO code and text)	/PRC.WO	S DE/PRC.WO	PRAI
Filing Details	/FDT	S DED1/FDT	FDT
International Patent Classification, Version 1-8 (IPCI, IPCR, ICM, ICS, ICA, ICI)	/IPC	S H05B0006-36+NT/IPC S H05B0006-36-H05B0006-44/IPC	IC, ICA, ICI, ICM, ICS, IPCI, IPCR
Inventor	/IN (or /AU)	S MILLER/IN	IN
Inventor Address	/INA	S HEIDELBERG/INA	INA
Inventor INPADOC Standard	/INS	S AGARWAL S?/INS	INS
Inventor, Country (WIPO Code and Text)	/IN.CNY	S US/IN.CNY	INS
International Patent Classification,	/IC	S C07H019-16/IC	IC

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ReaxysFileBib database summary sheet

REAXYSFILEBIB

Search and Display Field Codes

Fields that allow left truncation are indicated by an asterisk (*).

General Search Fields

Search Field Name	Search Code	Search Examples	
Basic Index* (contains single words from title (TI), abstract (AB))	None or /BI	S LIQUID CHROMATOGRAPH S BEEF (L) ROUTINE TEST? S SWEETZYME S (AQUA?(W)TOX?)	
Abstract*	/AB	S ?AMINOETHYL/AB	AB
Accession Number	/AN	S 123616/AN	AN
Application Country (WIPO code)	/AC	S FR/AC S GERMANY/AC	AI
Application Date **(1)**	/AD	S GB/AC AND 20050601-20060531/AD	AI
Application Number	/AP	S US1964-363680/AP S 1964US-363680/AP	AI
Application Number, Original	/APO	S GB0000191/APO	AIO
Author (includes Inventor)	/AU	S MARTH, J?/AU S MARTH J?/AU	AU, IN
Application Year **(1)**	/AY	S AY>=2003	AI
Document Type (code and text)	/DT (or /TC)	S L1 AND PATENT/DT S L1 AND P/DT	DT
Entry Date **(1)**	/ED	S ED=2018	ED
Field Availability	/FA	S L2 AND AB/FA	FA
Digital Object Identifier	/FTDOI	S HTTPS://DOI.ORG/10.1021/ACS.ANALCHEM.8B03354/FTDOI	FTDOI
International Standard (Document) Number	/ISN	S 0003-2700/ISN S ANCHAM/ISN	ISN, SO
Inventor	/IN	S JIROUSEK M?/IN	IN
Journal Title	/JT	S FOOD MANUFACTURE/JT	JT, SO
Keyword	/KW	S PRESSURE ACID LEACHING/KW	KW

/AU will capture patent family records and non-patent literature records. /IN will capture only patent family records.

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ReaxysFileBib search example

Inventor is Michael Andrew Johnson

For a complete name search, also EXPAND around Johnson Michael in the /AU field.

```
=> E JOHNSON M/AU

E1            1      JOHNSON LYRA/AU
E2            1      JOHNSON LYRA S/AU
E3           18 --> JOHNSON M/AU
E4           18      JOHNSON M A/AU
E5           28      JOHNSON M AUSTIN/AU
E6            3      JOHNSON M B/AU
E7            1      JOHNSON M BRENT/AU
E8           14      JOHNSON M BRITTANY/AU
E9            3      JOHNSON M C/AU
E10           7      JOHNSON M CATHERINE/AU
E11           6      JOHNSON M CECILIA/AU
E12           6      JOHNSON M CHRISTINE/AU

=> S E3 OR E4

              18 "JOHNSON M"/AU
              18 "JOHNSON M A"/AU
L1            36 "JOHNSON M"/AU OR "JOHNSON M A"/AU
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=> E JOHNSON M/IN

E1           11      JOHNSON LYNNE/IN
E2            2      JOHNSON LYNT/IN
E3           16 --> JOHNSON M/IN
E4           10      JOHNSON M A/IN
E5            6      JOHNSON M CHRISTINE/IN
E6            3      JOHNSON M COUTINHO/IN
E7            2      JOHNSON M G/IN
E8            1      JOHNSON M J CORMIER P E DADDON/IN
E9            1      JOHNSON M J EDWARDS I M HUNTER/IN
E10           1      JOHNSON M L/IN
E11           5      JOHNSON M M/IN
E12           2      JOHNSON M R/IN

=> S E3 OR E4

              16 "JOHNSON M"/IN
              10 "JOHNSON M A"/IN
L2            26 "JOHNSON M"/IN OR "JOHNSON M A"/IN
```


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ReaxysFileBib search example

Inventor is Michael Andrew Johnson

```
=> S L2 AND L1

L3          26 L2 AND L1

=> S L1 NOT L2

L4          10 L1 NOT L2

=> D BIB


L4     ANSWER 1 OF 10 REAXYSFILEBI COPYRIGHT 2025 ELSEVIER INC. on STN.
AN     8674674   REAXYSFILEBI Full-text
TI     Isomer-specific spectroscopy of the (H2 O)8 - cluster anion in the
       intramolecular bending region by selective photodepletion of the more
       weakly electron binding species (isomer II)
AU     Roscioli, J. R.; Johnson, M. A.
SO     Journal of Chemical Physics, pp. 1-5, 024307
       CODEN: JCPSA6  ISSN: 0021-9606
       Journal of Chemical Physics (2007), Volume 126
       CODEN: JCPSA6
DT     Journal
LA     English
SL     English
ED     Entered STN: 18 Nov 2020
       Last updated on STN: 19 Jan 2024
```

S L2 AND L1 shows all patent family records (in addition to non-patent literature records) are captured with an /AU search.

S L1 NOT L2 are the non-patent literature records captured with an /AU search.

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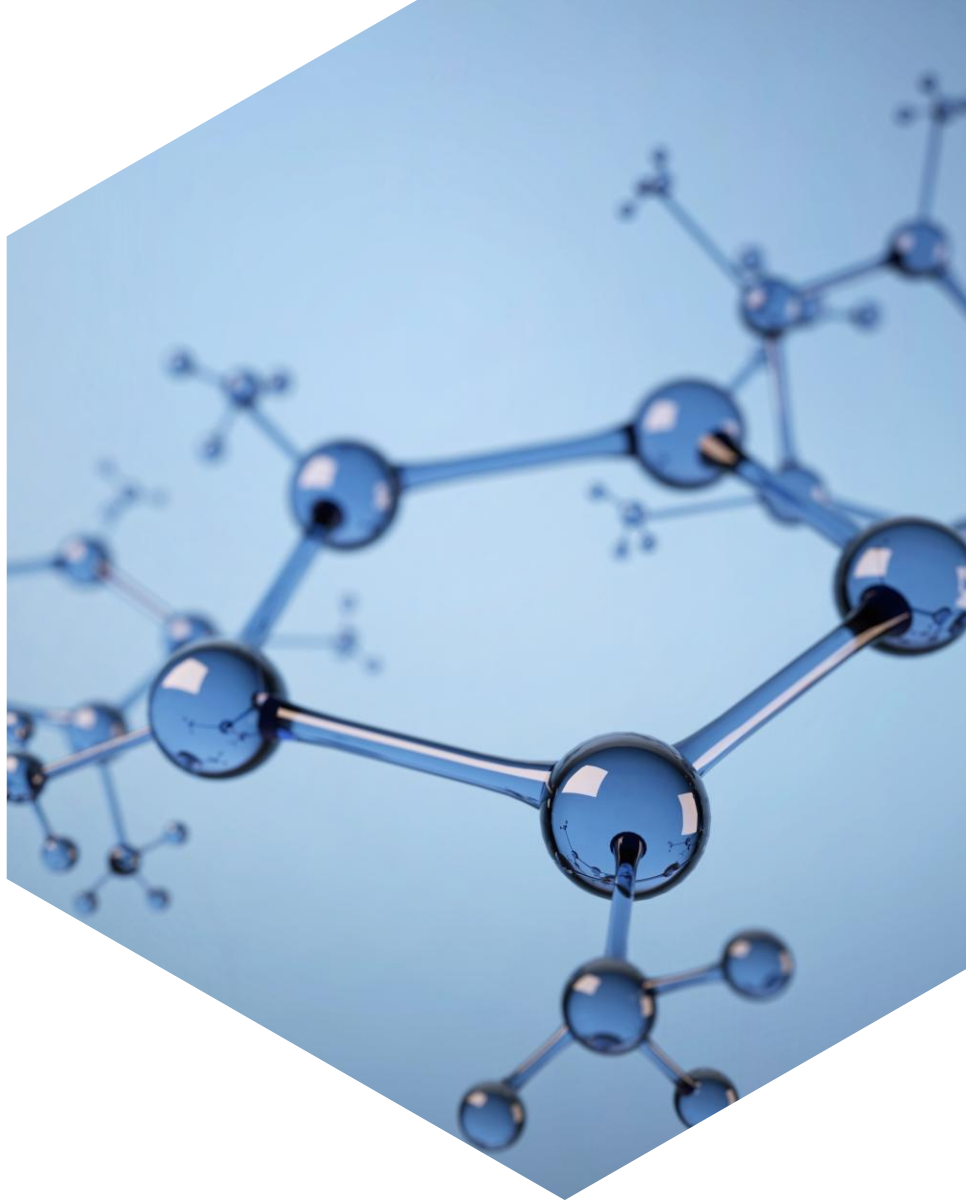
AGENDA

- Inventor/author data
  - First level data
  - Database standardization?
  - Patent family databases
  - ORCID information
- Search considerations



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ORCID information

- Unique persistent identifier for individuals to use as they engage in research, scholarship, and innovation articles*
- Available in four databases on STNext
  - Compendex
  - Embase
  - Medline
  - Toxcenter
- Search in AUID field
- Not a comprehensive search by itself

*https://orcid.org

ORCID information example - COMPENDEX

File COMPENDEX

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=> S 0000-0001-9193-9053/AUID

L1          50 0000-0001-9193-9053/AUID

=> D BIB AUID


L1      ANSWER 1 OF 50 COMPENDEX COPYRIGHT 2025 EEI on STN.
AN      2025-2418606502   COMPENDEX Full-text
TI      Enantiocontrolled Azetidine Library Synthesis via Strain-Release
        Functionalization of 1-Azabicyclobutanes
AU      Bielecki Michael (1); Nassir Molhm (1); Sharma Hayden A. (1); Truax
        Nathanyal J. (1); Raheja Nicholas (1); Thompson Ty M. (1); El-Hayek
        Ewing Tamara (1); Melillo Bruno (1); Cravatt Benjamin F. (1,2); Baran
        Phil S. (1)
CS      (1)Department of Chemistry, Scripps Research, La Jolla, 10550 North
        Torrey Pines Road, United States
        (2)Vividion Therapeutics, San Diego, United States
        EMAIL: cravatt@scripps.edu; pbaran@scripps.edu
SO      Journal of the American Chemical Society (25 Jun 2025), Volume 147,
        Number 25, pp. 22209-22218, 32 refs.
        ISSN: 0002-7863  E-ISSN: 1520-5126
        DOI: https://doi.org/10.1021/jacs.5c07227
        Published by: American Chemical Society
        URL (Document): http://pubs.acs.org/journal/jacsat
CY      United States
DT      Journal; Article
LA      English
SL      English
ED      Entered STN: 1 Jul 2025
        Last updated on STN: 15 Jul 2025
AUID    ORCID: https://orcid.org/0000-0003-3894-9118 (Sharma Hayden A.)
        ORCID: https://orcid.org/0000-0002-8510-2326 (Truax Nathanyal J.)
        ORCID: https://orcid.org/0000-0002-9708-5287 (Melillo Bruno)
        ORCID: https://orcid.org/0000-0001-5330-3492 (Cravatt Benjamin F.)
        ORCID: https://orcid.org/0000-0001-9193-9053 (Baran Phil S.)
```


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ORCID information example

```
=> E BARAN P/AU

E1             7      BARAN OZGUR UGRAS/AU
E2             8      BARAN OZLEM/AU
E3            13 --> BARAN P/AU
E4             1      BARAN P I/AU
E5             1      BARAN P M/AU
E6            49      BARAN P S/AU
E7             1      BARAN PAL BIJAY/AU
E8             1      BARAN PANDA ASIT/AU
E9             4      BARAN PATRYCJA/AU
E10            1      BARAN PATRYCJA M/AU
E11           10      BARAN PAUL/AU
E12            9      BARAN PAULINA/AU
```

```
=> E

E13            2      BARAN PAULINA M/AU
E14            1      BARAN PAVEL/AU
E15           37      BARAN PAWEL/AU
E16            1      BARAN PEKKOLAY/AU
E17            3      BARAN PERVER/AU
E18            2      BARAN PERVER KORCA/AU
E19           36      BARAN PETER/AU
E20          154      BARAN PHIL S/AU
E21            1      BARAN PHILIPPE/AU
E22            1      BARAN PHILLIPPE S/AU
E23            3      BARAN PIOTR/AU
E24            2      BARAN PIOTR A/AU
```


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ORCID information example - COMPENDEX

```
File COMPENDEX
=> S E20

L2          154 "BARAN PHIL S"/AU

=> S L1 AND L2

L3           50 L1 AND L2

=> S L2 NOT L1

L4          104 L2 NOT L1

=> D BIB AUID
```

S L1 AND L2 shows that all records with the ORCID had the author name of BARAN PHIL S.

S L2 NOT L1 finds all records that have BARAN PHIL S listed as an author but does not have the ORCID.

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ORCID information example - COMPENDEX

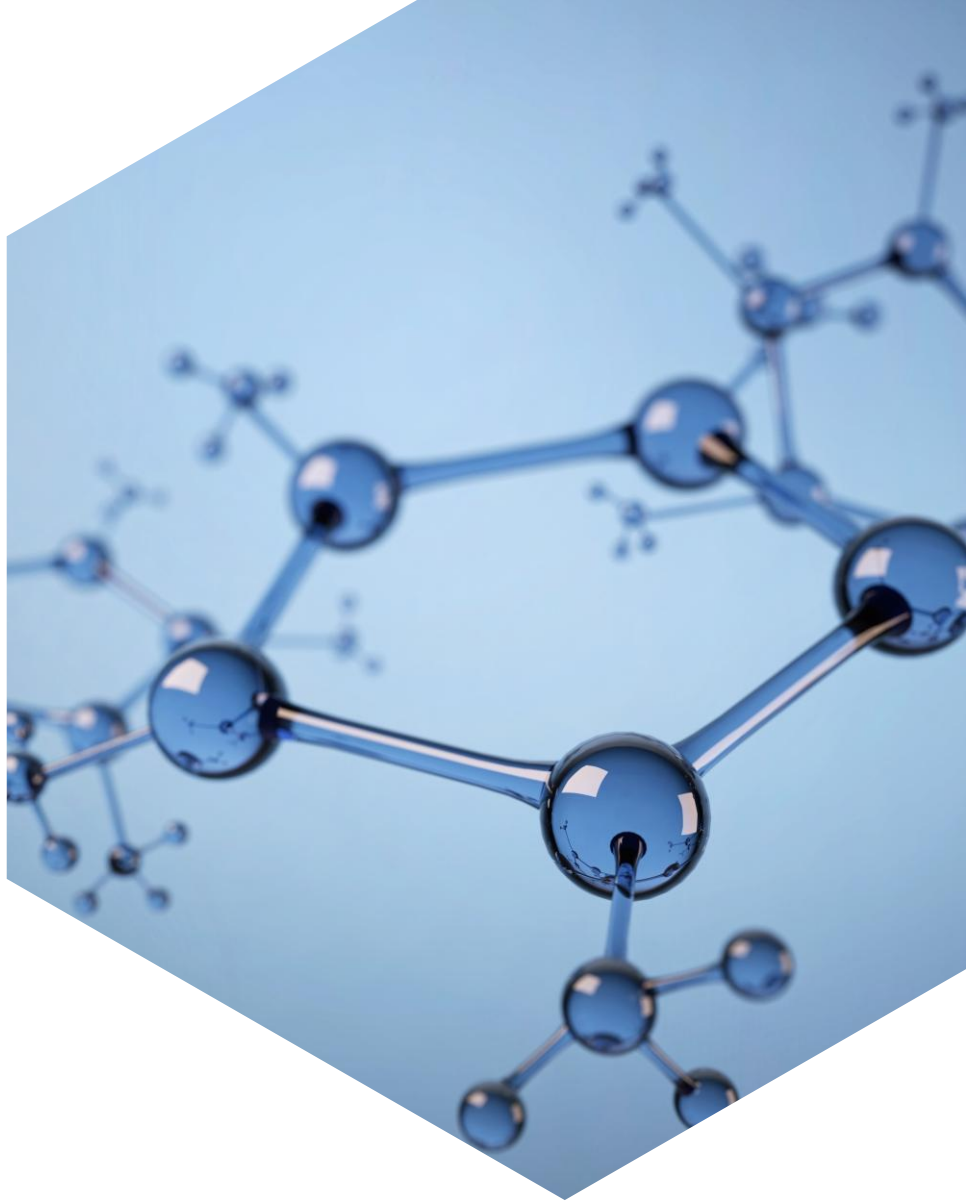
L4 ANSWER 1 OF 104 COMPENDEX COPYRIGHT 2025 EEI on STN.
AN 2023-4114862194 COMPENDEX Full-text
TI Control of the antitumour activity and specificity of CAR T cells via organic adapters covalently tethering the CAR to tumour cells
AU Stepanov Alexey V. (1); Xie Jia (1); Shaver Geramie (1); Douthit Lacey (1); Zhang Ding (1); Fu Xiang (1); Zhao Yingying (1); Baran Phil S. (1); Lerner Richard A. (1); Zhu Qiaoqiao (2); Shen Zuyuan (2); Su Wenji (2); Kuai Letian (2); Soll Richard (2); Rader Christoph (3); Kalinin Roman (4); Gabibov Alexander G. (4); Qin Tian (5); Bushnell David (6); Kornberg Roger D. (6); Neri Dario (7)
CS (1)Department of Chemistry, The Scripps Research Institute, La Jolla, United States
(2)WuXi AppTec Co., Ltd, Shanghai, China
(3)Department of Immunology and Microbiology, UF Scripps Biomedical Research, University of Florida, Jupiter, United States
(4)Shemyakin-Ovchinnikov Institute of Bioorganic Chemistry, Russian Academy of Sciences, Moscow, Russian Federation
(5)The University of Texas Southwestern Medical Center, Dallas, United States
(6)Structural Biology, School of Medicine, Stanford University, Stanford, United States
(7)Department of Chemistry and Applied Biosciences, Swiss Federal Institute of Technology (ETH Zurich), Zurich, Switzerland
EMAIL: stepanov@scripps.edu; kornberg@stanford.edu

- Phil S. Baran has the same corporate affiliation in this record as the previous record, so it is probably the same person.

SO Nat. Biomed. Eng. (1 May 2024), Volume 8, Number 5, pp. 529-543, 81 refs. E-ISSN: 2157-846X
DOI: https://doi.org/10.1038/s41551-023-01102-5
Published by: Nature Research
URL (Document): https://www.nature.com/natbiomedeng/
CY United Kingdom
DT Journal; Article
LA English
SL English
ED Entered STN: 18 Jun 2024
Last updated on STN: 18 Jun 2024
AUID ORCID: https://orcid.org/0000-0003-1616-4408 (Stepanov Alexey V.)
ORCID: https://orcid.org/0000-0001-9955-3454 (Rader Christoph)
ORCID: https://orcid.org/0000-0002-0581-3823 (Kalinin Roman)
ORCID: https://orcid.org/0000-0001-7225-3224 (Qin Tian)
ORCID: https://orcid.org/0000-0001-8736-8403 (Bushnell David)
ORCID: https://orcid.org/0000-0002-2425-7519 (Kornberg Roger D.)

AGENDA

- Inventor/author data
  - First level data
  - Database standardization?
  - Patent family databases
  - ORCID information
- Search considerations



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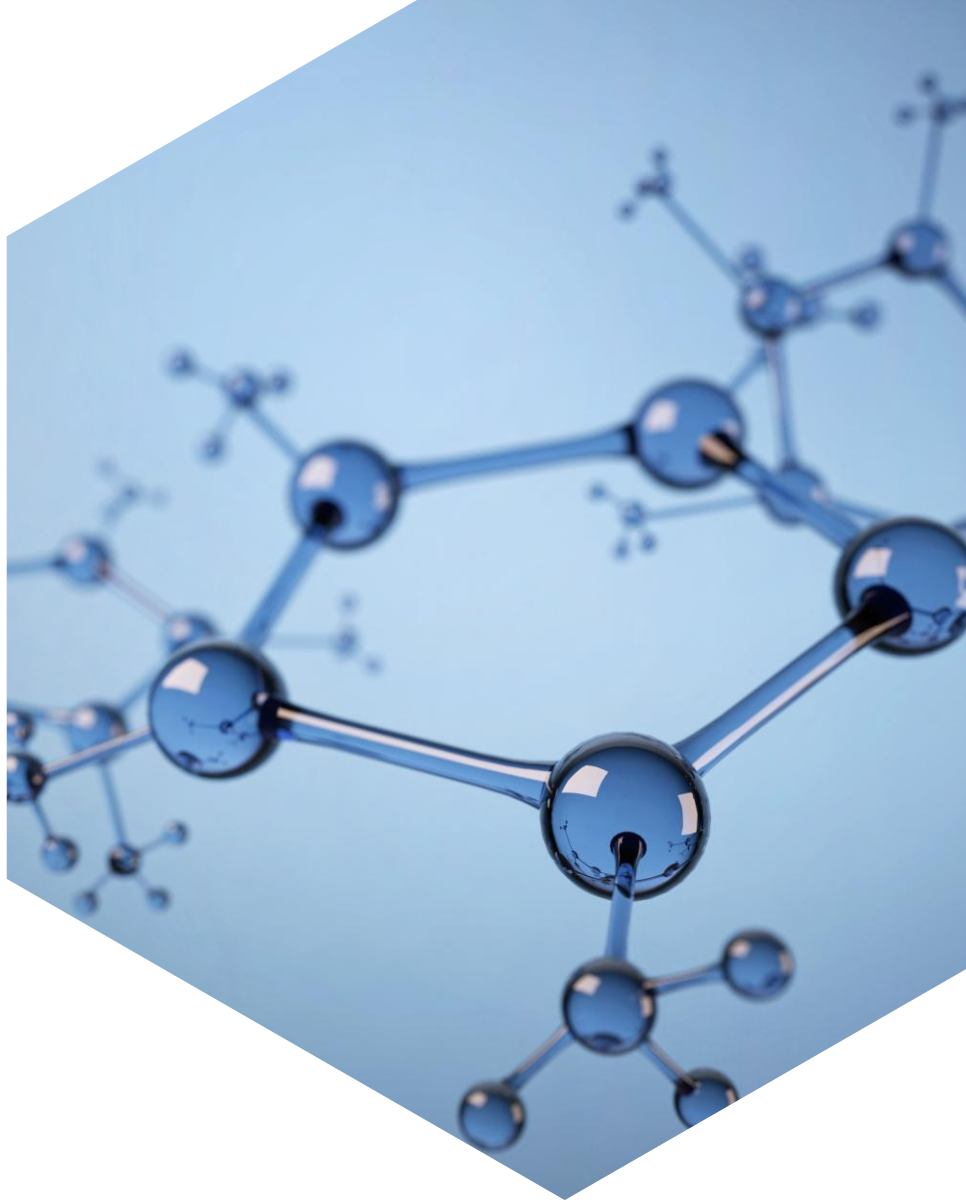
Search considerations

Other tools to focus inventor search

- Database dependent
- Inventor address
- Inventor assignee/author affiliation
  - Consider using professional network like LinkedIn to follow career
  - Also consider assignee name changes, mergers, etc.
- Area of technology
  - Keyword search, classifications, indexing
- Remember comprehensiveness (or lack thereof) of each field added to search strategy

Summary

- Inventor/author searching requires skill and patience
  - Raw data, amount, possible standardization
- EXPAND around name variations to see database possibilities
  - Multiple fields, different search qualifiers
- ORCID information
- Consider other concepts to link to inventor to focus search
- Searching for inventors in citation and patent assignee fields



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Thank you

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