


STNext Coffee Lecture 

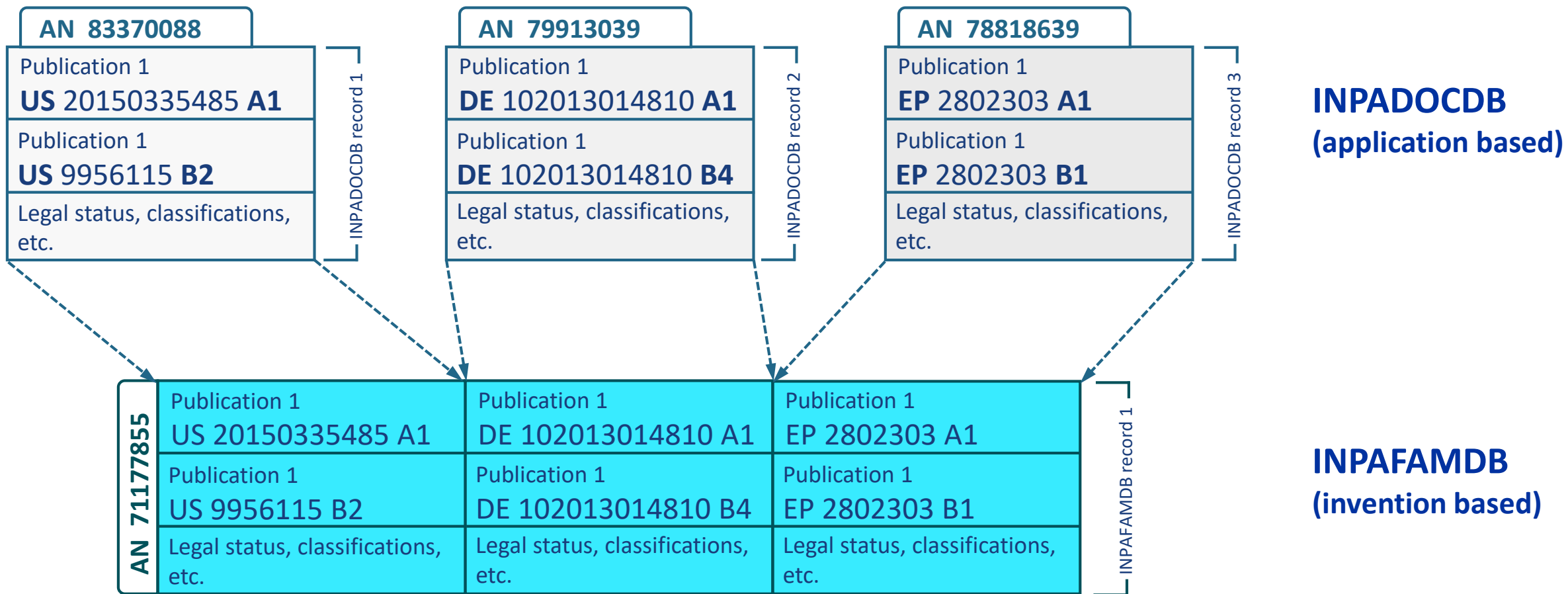
# Benefit from select display formats in the INPADOC databases

Sarah W. Stokes, FIZ Karlsruhe Inc.

# Agenda

- INPADOCDB/INPAFAMDB files
- Deciphering INPADOC DISPLAY format codes
- Patent Family Table DISPLAY formats
- Examples
- Additional Resources

# Two implementations: INPADOCDB vs. INPAFAMDB



# Special INPADOCDB DISPLAY formats

<b>RECORD-BASED (deduplicated)</b>	<b>RECORD-BASED (all publications, e.g. A1 and B1)</b>	<b>FAMILY-BASED (all family members)</b>
TI	TI.M	TI.F
PA	PA.M	PA.F
IN	IN.M	IN.F
PI	PI.M	PI.F
<b>RECORD-BASED (latest publication)</b>		TIPI.F
BIB	BIB.M	BIB.F
STD	STD.M	STD.F
ALL	ALL.M	ALL.F
MAX	MAX.M	MAX.F
...	...	...

# BIB vs. BIB.M vs. BIB.F

## BIB - RECORD-BASED (latest publication)

AN **103677173**  
 FN **69308215**  
 TIEN Assembly having a skid plate module.  
 IN Lorenz, Edwin D.; Sadlik, Adam P.; Schlundt, Michael; Marathe, Rituja D.  
 PA ArvinMeritor Technology, LLC; Nikola Motor Company, LLC  
 DT Patent  
 PI **US 10814917** **B2** 20201027 English  
 PIT USB2 REEXAM. CERTIF., N-ND REEXAM. or GRANTED PATENT AS SECOND PUBLICATION  
 DAV 20201027 printed-with-grant  
 STA GRANTED  
 XPD 20390304  
 STI ALIVE  
 AI US 2019-16291462 A 20190304 USA  
 PRAI US 2019-16291462 A 20190304 USA

Displays have been shortened.

## BIB.M - RECORD-BASED (all publications, e.g. A1 and B1)

AN **103677173**  
 FN **69308215**  
 TIEN ASSEMBLY HAVING A SKID PLATE MODULE.  
 IN Lorenz, Edwin D.; Sadlik, Adam P.; Schlundt, Michael; Marathe, Rituja D.  
 PA ArvinMeritor Technology, LLC  
 DT Patent  
 PI **US 20200283074** **A1** 20200910 English  
 PIT USA1 FIRST PUBLISHED PATENT APPLICATION  
 DAV 20200910 unexamined-printed-without-grant  
 STA PRE-GRANT PUBLICATION  
 XPD 20390304  
 AI US 2019-16291462 A 20190304 USA  
 PRAI US 2019-16291462 A 20190304 USA

AN **103677173**  
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 PA ArvinMeritor Technology, LLC; Nikola Motor Company, LLC  
 DT Patent  
 PI **US 10814917** **B2** 20201027 English  
 PIT USB2 REEXAM. CERTIF., N-ND REEXAM. or GRANTED PATENT AS SECOND PUBLICATION  
 DAV 20201027 printed-with-grant  
 STA GRANTED  
 XPD 20390304  
 STI ALIVE  
 AI US 2019-16291462 A 20190304 USA  
 PRAI US 2019-16291462 A 20190304 USA

## BIB.F - FAMILY-BASED (all family members)

MEMBER 1	MEMBER 2
AN <b>1035670</b>	AN <b>103677173</b>
FN <b>6930821</b>	FN <b>69308215</b>
TIEN ASSEMBLY HAVING A SKID PLATE MODULE.	TIEN ASSEMBLY HAVING A SKID PLATE MODULE.
IN LORENZ, Michael; Marathe, Rituja D.	IN Lorenz, Edwin D.; Sadlik, Adam P.; Schlundt, Michael; Marathe, Rituja D.
PA Nikola Motor Company, LLC	PA ArvinMeritor Technology, LLC
DT Patent	DT Patent
PI <b>EP 3708</b>	PI <b>US 20200283074</b> <b>A1</b> 20200910 English
DS R: AL A	PIT <b>USA1 FIRST PUBLISHED PATENT APPLICATION</b>
HR H	DAV 20200910 unexamined-printed-without-grant
PT R	STA PRE-GRANT PUBLICATION
XS:	XPD 20390304
PIT EPA1 AP	AI US 2019-16291462 A 20190304 USA
DAV 2020091	PRAI US 2019-16291462 A 20190304 USA
STA PRE-GRANT	AN <b>103677173</b>
XPD 2040022	FN <b>69308215</b>
STI ALIVE	TIEN <b>Assembly</b> having a skid plate module.
AI EP 2020	IN Lorenz, Edwin D.; Sadlik, Adam P.; Schlundt, Michael; Marathe, Rituja D.
PRAI US 2019	PA ArvinMeritor Technology, LLC; Nikola Motor Company, LLC
	DT Patent
	PI <b>US 10814917</b> <b>B2</b> 20201027 English
	PIT USB2 REEXAM. CERTIF., N-ND REEXAM. Or <b>GRANTED</b>
	DAV 20201027 printed-with-grant
	STA GRANTED
	XPD 20390304
	STI ALIVE
	AI US 2019-16291462 A 20190304 USA
	PRAI US 2019-16291462 A 20190304 USA



# Special INPAFAMDB DISPLAY formats

	Meaning of field code extensions:
Without extension	Deduplicated format
<b>.M</b>	Information from all family members
<b>.H</b>	Information of all publications containing hits
<b>.P</b>	Latest new family member
<b>.U</b>	Last updated family member
<b>.B</b>	Earliest publication (basic)

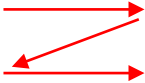

LS is a separate part for .H –displays.  
Formats with LS are not de-duplicated.

For more information:  
=> HELP FORMAT  
=> HELP FAMILY

# Examples of INPAFAMDB DISPLAY formats

Deduplicated format	.M	.H	.P	.U	.B
BIB	BIB.M	BIB.H	BIB.P	BIB.U	BIB.B
IBIB	IBIB.M	IBIB.H	IBIB.P	IBIB.U	IBIB.B
STD	STD.M	STD.H	STD.P	STD.U	STD.B
ALL	ALL.M	ALL.H	ALL.P	ALL.U	ALL.B
ALLO	ALLO.M	ALLO.H	ALLO.P	ALLO.U	ALLO.B
IALL	IALL.M	IALL.H	IALL.P	IALL.U	IALL.B
	IND.M	IND.H	IND.P	IND.U	IND.B
	MAX.M	MAX.H	MAX.P	MAX.U	MAX.B
	MAXO.M	MAXO.H	MAXO.P	MAXO.U	MAXO.B
	IMAX.M	IMAX.H	IMAX.P	IMAX.U	IMAX.B
	PI.PDF.M	PI.PDF.H	PI.PDF.P	PI.PDF.U	PI.PDF.B
UPALL	UPALL.M				
TRIAL					
BRIEF					

# INPAFAMDB patent family table DISPLAY formats

Use this format	To display .....
CFAM	A simple table of publication numbers only
CFAM2	Condensed table with PI, AI and PRAI details
SFAM	CFAM2, with EPO simple patent family identifiers used as header information to form separate patent family tables
FAM 	A table of priority, application and publication numbers (connected by application number)
FAM2 	A table of priority, application and publication numbers (connected by publication number)
DFAM	Delimited Family format, table of priority, application and publication information delimited for post-processing (SET LINE 110)
EFAM	FAM, with priority numbers used as header information to form separate patent family tables
FFAM	Full Family format with full bibliography, classifications and legal status information for each authority

NOTE: Not a complete list of available family table formats. Test different display formats to find the ones best suited to your projects.

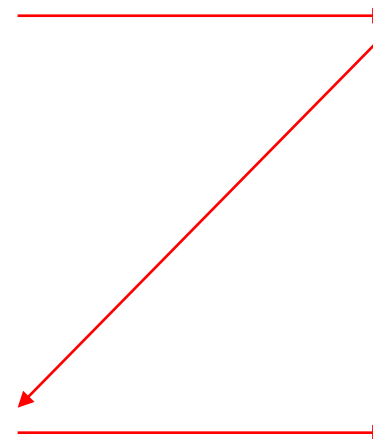


# FAM Patent Family Table

## PATENT FAMILY INFORMATION

AN 64511165 INPAFAMDB

+-----PRAI-----+		+-----AI-----+	
EP 2018-159151	A 20180228	AU 2019-228294	A 20190225
		CA 2019-3088651	A 20190225
		CN 2019-80015414	A 20190225
		US 2019-16283946	A 20190225
		WO 2019-EP54570	W 20190225
WO 2019-EP54570	W 20190225	AU 2019-228294	A 20190225
		CA 2019-3088651	A 20190225
		CN 2019-80015414	A 20190225
+-----AI-----+		+-----PI-----+	
AU 2019-228294	A 20190225	AU 2019228294	A1 20200813
CA 2019-3088651	A 20190225	CA 3088651	A1 20190906
CN 2019-80015414	A 20190225	CN 111757752	A 20201009
US 2019-16283946	A 20190225	US 20190358310	A1 20191128
		US 10792352	B2 20201006
WO 2019-EP54570	W 20190225	WO 2019166362	A1 20190906



FSTAT 2 priorities, 5 applications, 6 publications (1 EPO simple family)  
5 countries, 27 legal status events

# FAM2 Patent Family Table

## PATENT FAMILY INFORMATION

AN 64511165 INPAFAMDB

+-----PRAI-----+  
 EP 2018-159151 A 20180228

WO 2019-EP54570 W 20190225

+-----AI-----+  
 AU 2019-228294 A 20190225  
 CA 2019-3088651 A 20190225  
 CN 2019-80015414 A 20190225  
 US 2019-16283946 A 20190225

WO 2019-EP54570 W 20190225

+-----PI-----+  
 AU 2019228294 A1 20200813  
 CA 3088651 A1 20190906  
 CN 111757752 A 20201009  
 US 20190358310 A1 20191128  
 US 10792352 B2 20201006  
 WO 2019166362 A1 20190906  
 AU 2019228294 A1 20200813  
 CA 3088651 A1 20190906  
 CN 111757752 A 20201009

+-----PI-----+  
 AU 2019228294 A1 20200813  
 CA 3088651 A1 20190906  
 CN 111757752 A 20201009  
 US 20190358310 A1 20191128  
 US 10792352 B2 20201006  
 WO 2019166362 A1 20190906



FSTAT 2 priorities, 5 applications, 6 publications (1 EPO simple family)  
 5 countries, 27 legal status events

# Examples of DISPLAYed results

# Additional Resources

- <https://www.stn-international.com/en/training-center/documentation/inpadoc-news-get-latest-information-inpadoc-databases>
- <https://www.stn-international.com/en/training-center/recorded-e-seminars/legal-status-information-inpadoc>

# CONTACT

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