

# Using Color Coding in BizInt Smart Charts for Patents



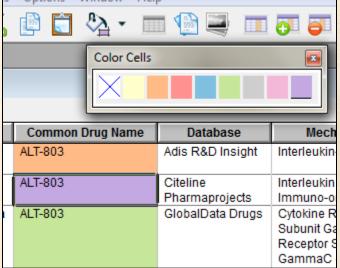
John Willmore, BizInt Solutions 9 June 2021

THE JOURNEY CONTINUES

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# Color Coding Cells

- The old "Highlight Cell" feature is now "Color Code Cells"
- Color chooser to directly select a color (or clear)
- "Color Code Cell" toggles the selection to the color or clear (same behavior with the button)
- Color Codes survive Combine Charts operation color of the "key" chart is retained



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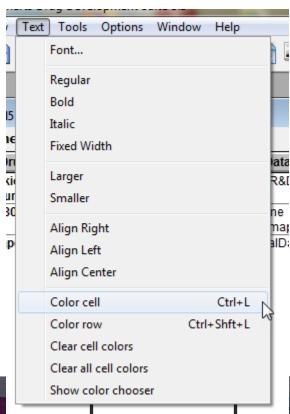
# **Color Coding Cells**

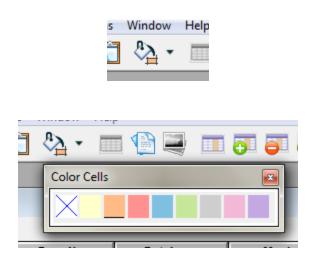
Software for Business Intelligence

BizInt Smart Charts

 Choice of eight colors for color coding added in Version 5.5







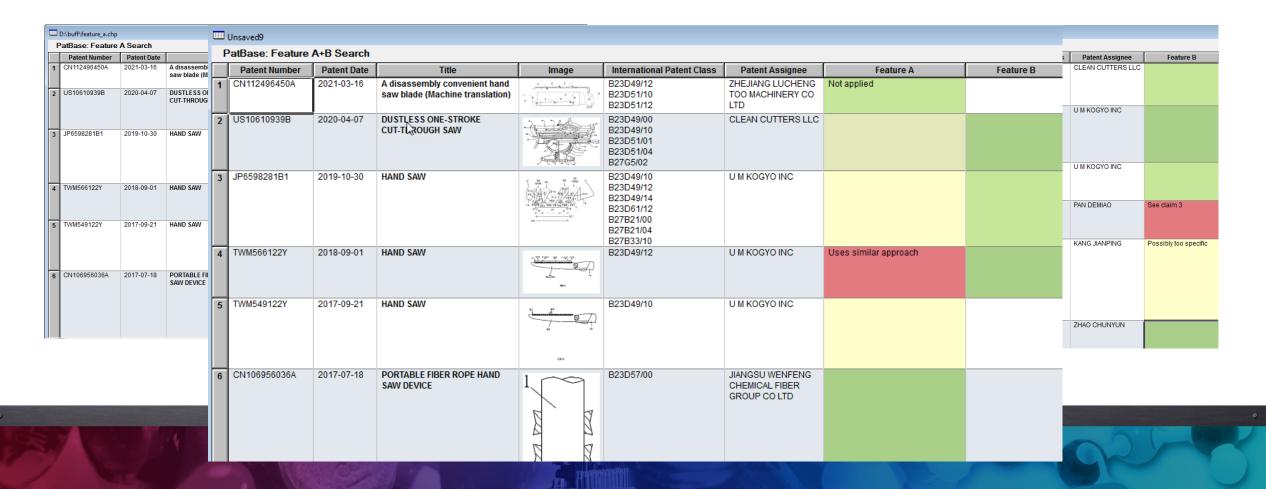
)			<b>7</b>
	Color Cells		×
	×		
	Common Drug Name	Database	Mech
	ALT-803	Adis R&D Insight	Interleukin
ī	ALT-803	Citeline	Interleukin
		Pharmaprojects	Immuno-o
	ALT-803	Pharmaprojects GlobalData Drugs	Immuno-o Cytokine R
	ALT-803		
	ALT-803		Cytokine R

# **Color Coding Cells**

### BizInt Smart Charts

#### for Patents

Use color coding in user-added columns when combining charts



# Color Coding Cells - Caveats

- Color codes in publisher columns are lost if a record is updated with new data - Color Code User-added Columns!
- We have not defined what happens in case of conflicts.
- If there is a conflict in color coding during update or combine, the color will follow from the selected cell only
- In Reference Rows, color coding will come from the selected cell only (nothing from Summarize rules)
  - Best to rely on the "Fill in the blanks" behavior

#### **Motivation - FTO**

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- Customer builds FTO reports in BizInt
- Exports to Excel in order to color code cells
- Update the report ... color codes are lost





#### **Motivation - FTO**

- Preparing an example for an FTO training class
- Class emphasizes searching on key features at various levels of specificity and reviewing results of each feature / level before combining
- Searches may use different databases or platforms

# Using Color Coding in FTO Search Reports

- Example of the color coding process only
- Search is bogus
- Annotations are bogus

"hand saw" with feature A and feature B for sale in the US

## Color Coding in FTO - Feature A

- Search for feature A
- Create chart, add column for feature A, review, color code

	D:\buff\feature_a.chp						
F	PatBase: Feature	A Search					
	Patent Number	Patent Date	Title	Image	International Patent Class	Patent Assignee	Feature A
1	CN112496450A	2021-03-16	A disassembly convenient hand saw blade (Machine translation)	المنتال:	B23D49/12 B23D51/10 B23D51/12	ZHEJIANG LUCHENG TOO MACHINERY CO LTD	Not applied
2	US10610939B	2020-04-07	DUSTLESS ONE-STROKE CUT-THROUGH SAW		B23D49/00 B23D49/10 B23D51/01 B23D51/04 B27G5/02	CLEAN CUTTERS LLC	
3	JP6598281B1	2019-10-30	HAND SAW	25	B23D49/10 B23D49/12 B23D49/14 B23D61/12 B27B21/00 B27B21/04 B27B33/10	U M KOGYO INC	
4	TWM566122Y	2018-09-01	HAND SAW	Inco	B23D49/12	U M KOGYO INC	Uses similar approach
5	TWM549122Y	2017-09-21	HAND SAW		B23D49/10	U M KOGYO INC	

# Color Coding in FTO - Notes

Image	International Patent Class	Patent Assignee	Feature A
	B23D49/12 B23D51/10 B23D51/12	ZHEJIANG LUCHENG TOO MACHINERY CO LTD	Not applied
	B23D49/00 B23D49/10 B23D51/01 B23D51/04 B27G5/02	CLEAN CUTTERS LLC	
100   100	B23D49/10 B23D49/12 B23D49/14 B23D61/12 B27B21/00 B27B21/04 B27B33/10	U M KOGYO INC	
(40)	B23D49/12	U M KOGYO INC	Uses similar approach
	B23D49/10	U M KOGYO INC	
040			
1,	B23D57/00	JIANGSU WENFENG CHEMICAL FIBER	

- You don't have to enter text annotations in order to color code a cell
- Colors look slightly different on "grey" rows (this does not carry over to exports)

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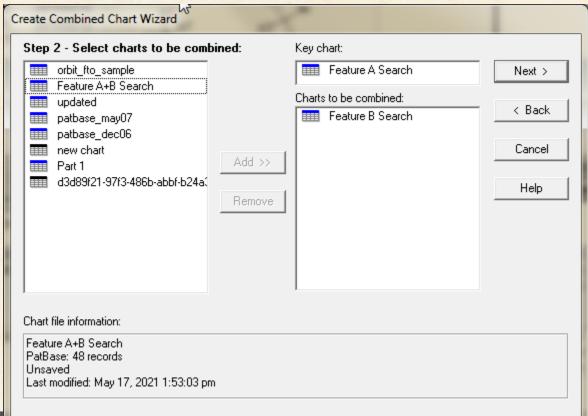
# Color Coding in FTO - Feature B

Repeat process for Feature B
 (or alternate search strategies for A...)

	D:\buff\feature_b.chp									
F	PatBase: Feature	B Search								
	Patent Number	Patent Date	Title	Image	International Patent Class	Patent Assignee	Feature B			
1	US10610939B	2020-04-07	DUSTLESS ONE-STROKE CUT-THROUGH SAW		B23D49/00 B23D49/10 B23D51/01 B23D51/04 B27G5/02	CLEAN CUTTERS LLC				
2	JP6598281B1	2019-10-30	HAND SAW	100 100 100 100 100 100 100 100 100 100	B23D49/10 B23D49/12 R23D49/14 b23D61/12 B27B21/00 B27B21/04 B27B33/10	U M KOGYO INC				
3	TWM566122Y	2018-09-01	HAND SAW	(m)	B23D49/12	U M KOGYO INC				
4	CN204206819U	2015-03-18	HAND SAW	SHOW	A01G3/08	PAN DEMIAO	See claim 3			
5	CN204195780U	2015-03-11	DUAL-PURPOSE HAND TOOL	1 [ 3 A	B26B1/02 B26B11/00 B26B0/00	KANG JIANPING	Possibly too specific			

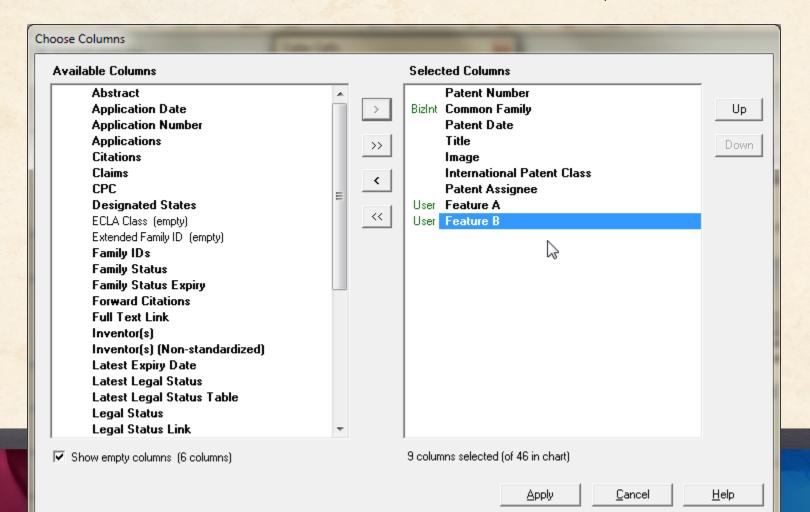
# Color Coding in FTO - Combine All Feature Charts

Combine all charts for the various feature sets



# Color Coding in FTO - Combine All Feature Charts

Make all feature columns visible (Choose Columns)



## Color Coding in FTO - Review All Features

• Can review "blanks" - e.g. Row 1 did not hit feature B

<b></b>	Unsaved9							
P	atBase: Feature	A+B Search						
	Patent Number	Patent Date	Title	lmage	International Patent Class	Patent Assignee	Feature A	Feature B
1	CN112496450A	2021-03-16	A disassembly convenient hand saw blade (Machine translation)	٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠٠	B23D49/12 B23D51/10 B23D51/12	ZHEJIANG LUCHENG TOO MACHINERY CO LTD	Not applied	
2	US10610939B	2020-04-07	DUSTLESS ONE-STROKE CUT-TL ROUGH SAW		B23D49/00 B23D49/10 B23D51/01 B23D51/04 B27G5/02	CLEAN CUTTERS LLC		
3	JP6598281B1	2019-10-30	HAND SAW	100 100 100 100 100 100 100 100 100 100	B23D49/10 B23D49/12 B23D49/14 B23D61/12 B27B21/00 B27B21/04 B27B33/10	U M KOGYO INC		
4	TWM566122Y	2018-09-01	HAND SAW	The state of the s	B23D49/12	U M KOGYO INC	Uses similar approach	
5	TWM549122Y	2017-09-21	HAND SAW	190	B23D49/10	U M KOGYO INC		
	ONIAGOSOSOGA	0047.07.40	DODTADI E FIDED DODE HAND		D00DE7/00	HANGOLLWENEENG		

# Color Coding in FTO - Another Data Source

 Bogus search warning: transfer publication numbers to another platform

	FAMPAT: orbit_fto_sample								
Г	7:41-	Investoria)	04-4-	Committee	State (Carra)		FTO Fa	amily	
	Title	Inventor(s)	State	Geography	State (Copy)	Pub No.	Kind	Pub Date	Status
	•	CHEN PENGFEI CHEN SHUGEN	ALIVE		ALIVE	CN112496450	A	2021-03-16	PENDING
Ī	2 Dustless one-stroke cut-through	PRUSAKOV DMITRY	ALIVE		ALIVE	US10610939	B1	2020-04-07	GRANTED
	saw	KLIMCHUK IGOR				US20200230719	A1	2020-07-23	PENDING
						US20200230720	A1	2020-07-23	PENDING
I	3 Hand saw	MIYAWAKI, Shozo	ALIVE	WO	ALIVE	WO2020202463	A1	2020-10-08	PENDING
			[ '			JP6598281	B1	2019-10-30	GRANTED
			[ '			JP2020202463W	A1	2021-04-30	
						TW202037433	Α	2020-10-16	PENDING
Ī	4 Hand saw	MIYAWAKI SHOZO	ALIVE		ALIVE	TWM566122	U	2018-09-01	GRANTED
	5 Hand saw	MIYAWAKI, SHOZO	ALIVE		ALIVE	TWM549122	U	2017-09-21	GRANTED
		LIU RONG GONG JIANBING	DEAD		DEAD	CN106956036	A	2017-07-18	LAPSED
П	7 Hand saw	PAN DEMIAO	ALIVE		ALIVE	CN204206819U	U	2015-03-18	GRANTED

# Color Coding in FTO - Notes

Invested 1	84-4-	Caramahii	State (Same)		FTO Fa	mily		
Inventor(s)	State	Geography	State (Copy)	Pub No.	Kind	Pub Date	Status	
HEN PENGFEI HEN SHUGEN	ALIVE		ALIVE	CN112496450	Α	2021-03-16	PENDING	
PRUSAKOV DMITRY KLIMCHUK IGOR	ALIVE		ALIVE	US10610939 US20200230719 US20200230720	B1 A1 A1	2020-04-07 2020-07-23 2020-07-23	PENDING	
IIYAWAKI, Shozo	ALIVE	WO	ALIVE	WO2020202463 JP6598281 JP2020202463W TW202037433	A1 B1 A1 A	2020-10-08 2019-10-30 2021-04-30 2020-10-16	GRANTED	
IIYAWAKI SHOZO	ALIVE		ALIVE	TWM566122	U	2018-09-01	GRANTED	
IIYAWAKI, SHOZO	ALIVE		ALIVE	TWM549122	U	2017-09-21	GRANTED	
JU RONG SONG JIANBING	DEAD		DEAD	CN106956036	Α	2017-07-18	LAPSED	
PAN DEMIAO	ALIVE		ALIVE	CN204206819U	U	2015-03-18	GRANTED	
CANG JIANPING	DEAD		DEAD	CN204195780U	U	2015-03-11	LAPSED	
HAO CHUNYUN	DEAD		DEAD	CN204120386U	U	2015-01-28	LAPSED	

 Copied "State" column before color coding

# Color Coding in FTO - Combine Different Sources

Color codes remain with the record they were applied to

1	Feature A+B Sear	Feature A+B Search + Geo/State										
	Patent Number	Database	Feature A	Feature B	Geography	State (Copy)						
1	CN112496450A	FAMPAT				ALIVE						
2	CN112496450A	PatBase	Not applied									
3		FAMPAT			WO	ALIVE						
4	US10610939B1	FAMPAT				ALIVE						
5	US10610939B	PatBase										
6	JP6598281B1	PatBase										

# Color Coding in FTO - Reference Rows!

Default rule links annotations from different charts

F	Feature A+B Sear	ch + Geo/State					
	Patent Number	Database	Feature A		Feature B	Geography	State (Copy)
1	CN112496450A 🎺	PatBase	Not applied	~	<b>√</b>	~	
1 .2	CN112496450A	FAMPAT					ALIVE 🗸
2 .1	JP6598281B1 <b>✓</b>	PatBase		~	4		
2 .2	WO2020202463A1	FAMPAT				wo 🗸	ALIVE 🞺
3 .1	US10610939B 🎺	PatBase		*	<b>✓</b>	•	
3 .2	US10610939B1	FAMPAT					ALIVE 🗸

# Color Coding in FTO - Reference Rows!

Export to see linked data

PatBase	FAMPAT	Feature A	Feature B	Geography	State (Copy)	1, 00
1.1 Patbase 83860088	1.2 FAM 93134820	Not applied {1.1.Pathase}			ALIVE {1.2 FAIM	in blank con
2.1 Patbase 76436297	2.2 FAM 86465975			tind C	olors	in blank cell
TIP	: If you s	see son	nethin	g, say	/ som	nething!
3.1 Patbase 7828195 UG: Refe	ance Ku	***			ALIVE	
.c. Refe	GIIO				{3.2 FAM}	
UG. II						
	4.1 FAM 82471819 4.2 FAM 77318941				ALIVE {4.1 FAM}	
5.1 Patbase 70982793 5.2 Patbase 67052470		Uses similar approach {5.1 Patbase}				
5.2 Fatuase 0/0324/0						
	6.2 FAM 76777985				DEAD	

# Color Coding in FTO - Reference Rows!

#### Fixed for next release

PatBase	FAMPAT	Feature A	Feature B	Geography	State (Copy)
1.1 Patbase 83860088	1.2 FAM 93134820	Not applied {1.1 Pathase}			ALIVE {1.2 FAM}
2.1 Patbase 76436297	2.2 FAM 86465975			WO {2.2 FAM}	ALIVE {2.2 FAM}
3.1 Patbase 78281853	3.2 FAM 88095591				ALIVE {3.2 FAM}
	4.1 FAM 82471819 4.2 FAM 77318941				ALIVE {4.1 FAM}
5.1 Patbase 70982793 5.2 Patbase 67052470		Uses similar approach {5.1 Patbase}			
6.1 Patbase 66382363	6.2 FAM 76777985				DEAD {6.2 FAM}
7.1 Patbase 58722639	7.2 FAM 68837627		See claim 3		ALIVE

