Patent Public Search - Search results

Quick Reference Guide 2021

Patent Public Search offers a variety of options for displaying search results. Results can be tagged based on attributes you assign to documents or printed in a convenient summary chart.

Search results columns

1. In the **Search** pane, enter a search query.

2. The **Search Results** view will return a list ordered from newest to oldest. Search terms will appear above the results horizontally; if single color or multi-color highlighting is turned on, they will appear in color. Twenty-nine default column headings appear in a horizontal row above the search results list. Only the left most columns appear immediately in view. Use the bottom sideways scroll to see all of the columns. The default column headings are (from left to right):

   Select | + | Result# | X | 1 | 2 | 3 | 4 | 5 | Document ID | Date Published | Family ID | Pages | Title | CPCI | CPCA | Inventor | Assignee | Application Number | Filing Date | Primary Examiner | Assistant Examiner | OR | X Ref | Notes | Notes/Tagged | Relevancy | C

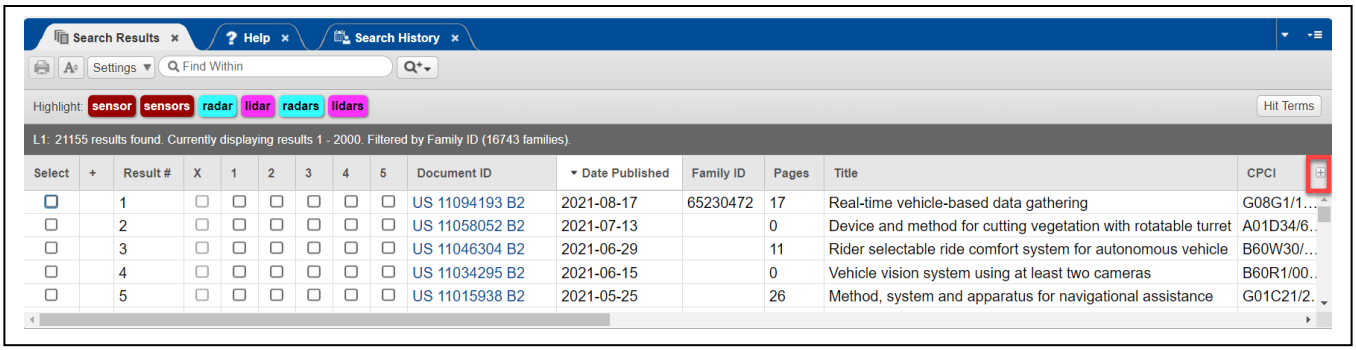


Figure 1. Search Results pane

3. **Selecting which columns to display:** When selected, the plus symbol "+" button to the far right of the column headings bar (indicated by a red rectangle in **Figure 1**) creates a pop-up window showing default column headings as well as additional optional column headings.

   Checking will add a column heading. Removing a check will cause a column heading to disappear. See **Figure 2** where plus symbol "+" button is indicated by a red rectangle. Note that up to 26 tag columns may be selected indicated by a number from 1-26 in the column headings listing.

   This pop-up window for selecting column headings can also appear by right clicking on any column heading.

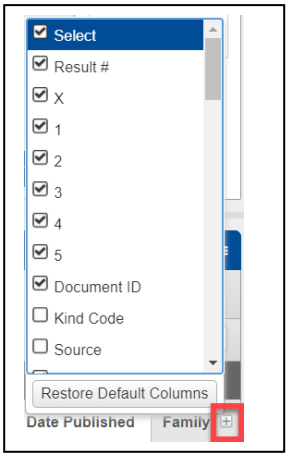


Figure 2. Column headings pop-up window

4. **Changing column location order:** To reposition a column, click on its heading and drag to the left or right. The column headings will realign based on the new position of the column you moved.

5. **"Select" column:** When you select a document ID number in the **Search Results** list, the entire row is highlighted, and the check box in the Select column is automatically checked. The selected document is viewable in the **Document Viewer** gadget pane. This document will default to text view; selecting the **Text/Image View** button will toggle from text view to image view; see **Figure 3**. Text/Image View button appears in the red square. Double-clicking the Select column heading will select all documents in the column.

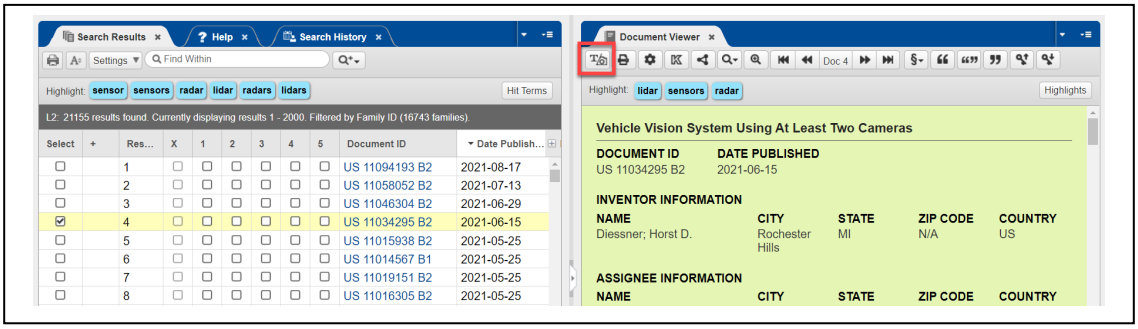
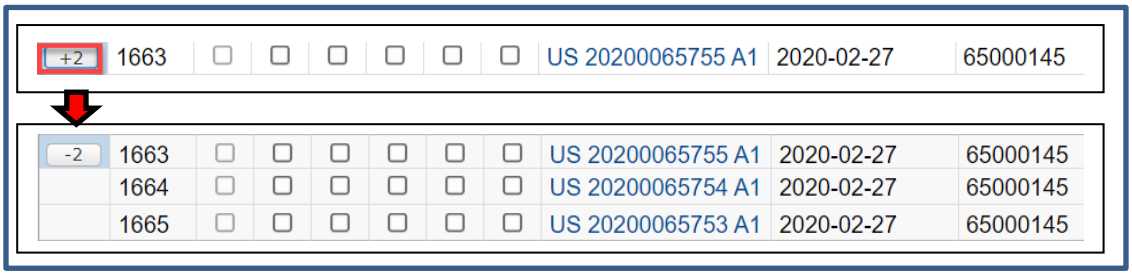


Figure 3. Selected document in Search Results pane appears in Document Viewer pane's text view

6. **Plus "+" column:** If there is an entry in this column, it will have a plus sign and number (e.g. "+2"). Selecting the plus button will insert the related family documents in the immediate row(s) below the document; see **Figure 4**.



+2	1663	☐	☐	☐	☐	☐	☐	US 20200065755 A1	2020-02-27	65000145

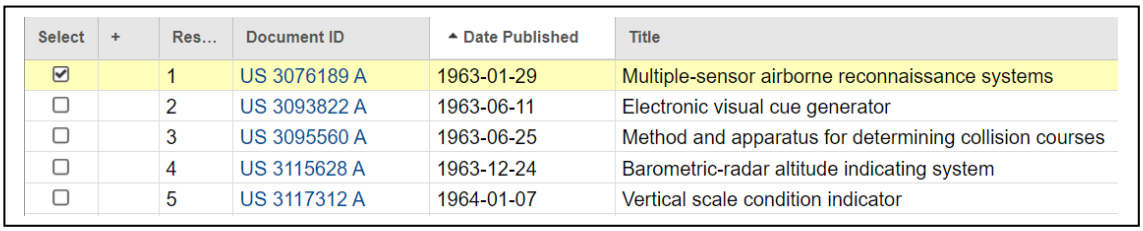
-2	1663	☐	☐	☐	☐	☐	☐	US 20200065755 A1	2020-02-27	65000145
	1664	☐	☐	☐	☐	☐	☐	US 20200065754 A1	2020-02-27	65000145
	1665	☐	☐	☐	☐	☐	☐	US 20200065753 A1	2020-02-27	65000145

Figure 4. Documents with "+" number have family member(s) that can be displayed

7. **Tag columns:** Columns with headings numbered 1-5 are tag columns. You can attribute any characteristic to a particular tag column, then select the corresponding box for a document meeting that attribute. For example, if you want to attribute tag column "1" as "Documents to review further," then those documents receive your check. While column headings numbered 1-5 cannot be renamed in the column heading display, you can maintain a separate list of attributes each column number represents. While the default column display shows columns 1-5, the column headings pop-up window shown in **Figure 2** can be used to add additional columns from 6-26. (Tagged documents have additional useful features in Patent Public Search. See the Quick Reference Guide "Patent Public Search – Tagging" for more details.)

8. **Order of documents in search results:** Each column in the **Search Results** pane can be resorted from the default order—documents from newest to oldest by date published. A user double-clicks on a column heading and an up or down arrow will appear by the heading. Double-clicking on the arrow will resort the documents in the column. Columns with textual information will be sorted alphabetically (ascending/descending). Columns with numerical information will be sorted numerically. Columns where criteria appear such as "Notes" will rearrange the order so that all selected documents for that column will appear together at the top or bottom of the list depending on the arrow direction.

   For example, selecting the down or up arrow in the **"**Date Published**"** column heading reverses the order of documents from oldest to newest; see **Figure 5**.



Select	+	Res...	Document ID	▲ Date Published	Title
☑		1	US 3076189 A	1963-01-29	Multiple-sensor airborne reconnaissance systems
☐		2	US 3093822 A	1963-06-11	Electronic visual cue generator
☐		3	US 3095560 A	1963-06-25	Method and apparatus for determining collision courses
☐		4	US 3115628 A	1963-12-24	Barometric-radar altitude indicating system
☐		5	US 3117312 A	1964-01-07	Vertical scale condition indicator

Figure 5. Search Results reordered from oldest to newest date published. Note arrow symbol in Date published column heading.

9. **Relevancy column:** With the "Relevancy" column, double-clicking the column heading will produce a down arrow. Double-clicking on the arrow will resort the listed documents in order from most relevant to least relevant, a useful feature in keyword searching; see **Figure 6**. Relevancy is based on how many times search terms appear in a document based on an algorithm. Double-clicking on the arrow again will reverse the order of documents by relevancy.

Document ID	Relevancy	Title
US 20200116855 A1	66.41488	RADAR APPARATUS FOR VEHICLE AND METHOD FOR CONTROLLING THE SAME
US 20180003822 A1	66.36218	ENVIRONMENTAL SENSING DEVICE AND INFORMATION ACQUIRING METHOD APPLIED TO E
US 20190277962 A1	66.337006	Tailoring Sensor Emission Power to Map, Vehicle State, and Environment
US 20190257922 A1	66.31555	SYSTEMS FOR INCORPORATING LIDAR SENSORS IN A HEADLAMP MODULE OF A VEHICLE
US 20190391233 A1	66.30975	SYSTEM AND METHOD FOR VEHICLE RADAR INSPECTION
US 20150123850 A1	66.2938	RADAR SENSOR ASSEMBLY FOR MACHINE
US 20190302253 A1	66.288185	System and Method for Controlling Access to a Trunk of a Vehicle Using a Radar Sensor
US 20190353773 A1	66.28733	DIVERSE SENSING USING DIFFERENT TYPES OF SENSORS

Figure 6. Search Results reordered from most relevant to least relevant. Relevancy column heading is moved to be adjacent to Document ID column in this example.

Printing search results in a list chart

10. **Printing search results chart:** Any selected documents checked in the "Select" column can be printed as an entry in a list chart by selecting the "Print" button above the results. See **Figure 7** for "Print" button in red square; see **Figure 8** for the resulting printed list chart. Currently, columns in the list chart cannot be modified. (Individual documents cannot be printed from the **Search Results** pane. To print an individual document use the "Print" button above the displayed document in the **Document Viewer** gadget pane.)

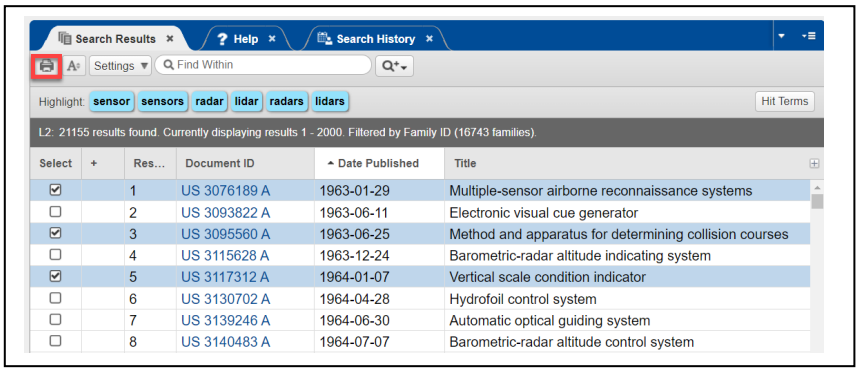
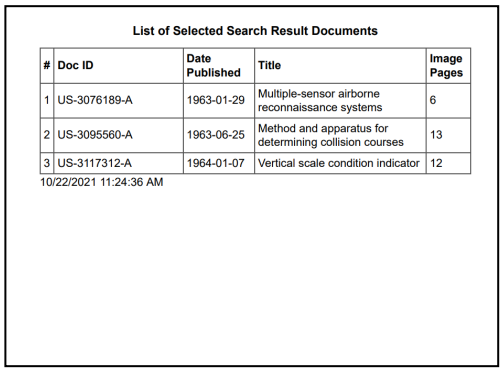


Figure 7. Selected documents in Search Results pane



List of Selected Search Result Documents

#	Doc ID	Date Published	Title	Image Pages
1	US-3076189-A	1963-01-29	Multiple-sensor airborne reconnaissance systems	6
2	US-3095560-A	1963-06-25	Method and apparatus for determining collision courses	13
3	US-3117312-A	1964-01-07	Vertical scale condition indicator	12

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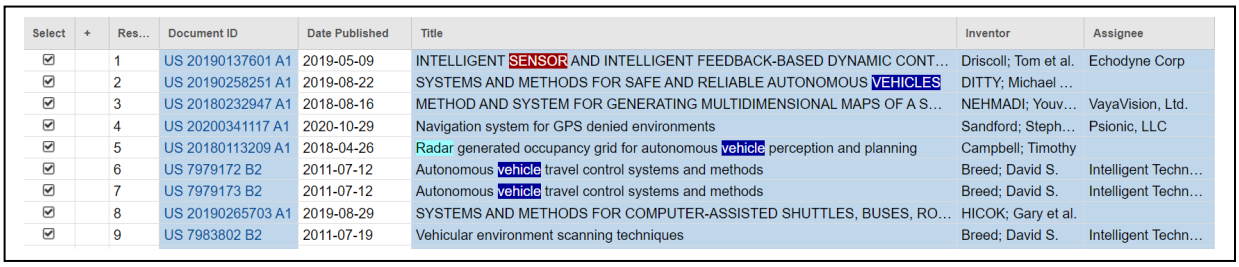
Figure 8. Printed list chart

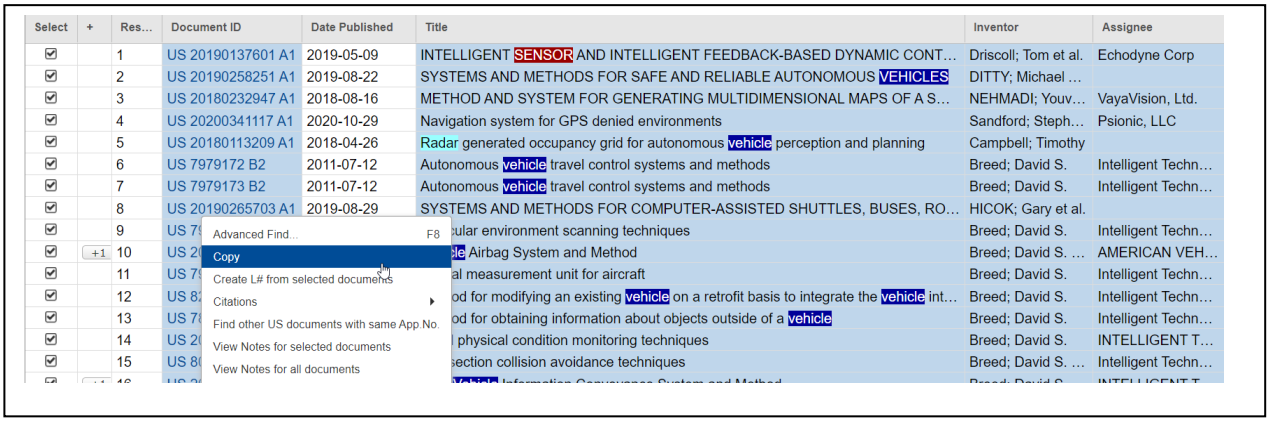
Copying search results to a spreadsheet

11. You can highlight any column in your search results by clicking on a column heading. Holding down the CTRL (Control) key, you can move to any other column. Again, double click on a column heading to select another column; see **Figure 9(a)**. Once you have highlighted all of the columns you want to display in your spreadsheet, right click inside one of the highlighted columns. Select "Copy;" see **Figure 9(b)**. Open up a new blank spreadsheet using spreadsheet software (it is not provided with Patent Public Search). Select a cell; right click and select Paste. See **Figure 9(c)**. The contents of your selected search results columns will appear in the spreadsheet. You can drag the column dividers to make the spreadsheet more readable; see **Figure 9(d)**.



Select	+	Res...	Document ID	Date Published	Title	Inventor	Assignee
☑		1	US 20190137601 A1	2019-05-09	INTELLIGENT SENSOR AND INTELLIGENT FEEDBACK-BASED DYNAMIC CONT…	Driscoll; Tom et al.	Echodyne Corp
☑		2	US 20190258251 A1	2019-08-22	SYSTEMS AND METHODS FOR SAFE AND RELIABLE AUTONOMOUS VEHICLES	DITTY; Michael …	
☑		3	US 20180232947 A1	2018-08-16	METHOD AND SYSTEM FOR GENERATING MULTIDIMENSIONAL MAPS OF A S…	NEHMADI; Youv…	VayaVision, Ltd.
☑		4	US 20200341117 A1	2020-10-29	Navigation system for GPS denied environments	Sandford; Steph…	Psionic, LLC
☑		5	US 20180113209 A1	2018-04-26	Radar generated occupancy grid for autonomous vehicle perception and planning	Campbell; Timothy	
☑		6	US 7979172 B2	2011-07-12	Autonomous vehicle travel control systems and methods	Breed; David S.	Intelligent Techn…
☑		7	US 7979173 B2	2011-07-12	Autonomous vehicle travel control systems and methods	Breed; David S.	Intelligent Techn…
☑		8	US 20190265703 A1	2019-08-29	SYSTEMS AND METHODS FOR COMPUTER-ASSISTED SHUTTLES, BUSES, RO…	HICOK; Gary et al.	
☑		9	US 7983802 B2	2011-07-19	Vehicular environment scanning techniques	Breed; David S.	Intelligent Techn…

Figure 9(a). Selecting columns.



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☑		1	US 20190137601 A1	2019-05-09	INTELLIGENT SENSOR AND INTELLIGENT FEEDBACK-BASED DYNAMIC CONT…	Driscoll; Tom et al.	Echodyne Corp
☑		2	US 20190258251 A1	2019-08-22	SYSTEMS AND METHODS FOR SAFE AND RELIABLE AUTONOMOUS VEHICLES	DITTY; Michael …	
☑		3	US 20180232947 A1	2018-08-16	METHOD AND SYSTEM FOR GENERATING MULTIDIMENSIONAL MAPS OF A S…	NEHMADI; Youv…	VayaVision, Ltd.
☑		4	US 20200341117 A1	2020-10-29	Navigation system for GPS denied environments	Sandford; Steph…	Psionic, LLC
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☑		6	US 7979172 B2	2011-07-12	Autonomous vehicle travel control systems and methods	Breed; David S.	Intelligent Techn…
☑		7	US 7979173 B2	2011-07-12	Autonomous vehicle travel control systems and methods	Breed; David S.	Intelligent Techn…
☑		8	US 20190265703 A1	2019-08-29	SYSTEMS AND METHODS FOR COMPUTER-ASSISTED SHUTTLES, BUSES, RO…	HICOK; Gary et al.	
☑		9	US 79		ular environment scanning techniques	Breed; David S.	Intelligent Techn…
☑	+1	10	US 2		le Airbag System and Method	Breed; David S. …	AMERICAN VEH…
☑		11	US 79		al measurement unit for aircraft	Breed; David S.	Intelligent Techn…
☑		12	US 82		od for modifying an existing vehicle on a retrofit basis to integrate the vehicle int…	Breed; David S.	Intelligent Techn…
☑		13	US 79		od for obtaining information about objects outside of a vehicle	Breed; David S.	Intelligent Techn…
☑		14	US 2		physical condition monitoring techniques	Breed; David S.	INTELLIGENT T…
☑		15	US 8		section collision avoidance techniques	Breed; David S. …	Intelligent Techn…

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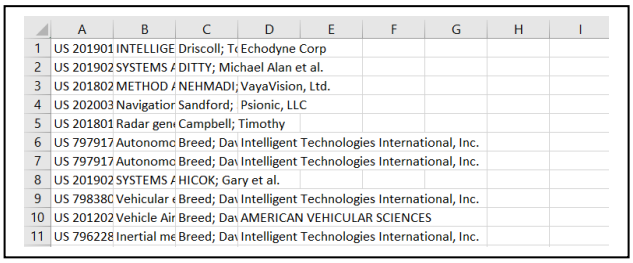
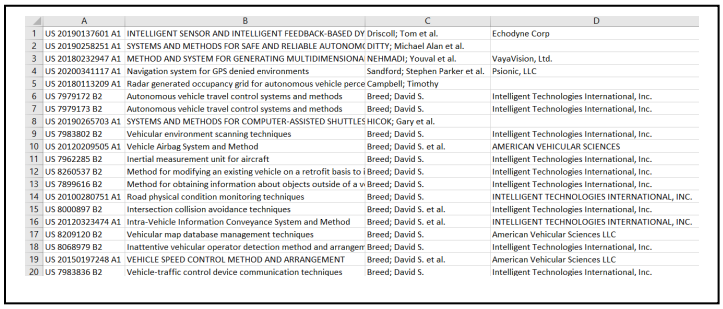
Copy
Create L# from selected documents
Citations
Find other US documents with same App.No.
View Notes for selected documents
View Notes for all documents

Figure 9(b). Place cursor in a selected column; right click and select Copy.



	A	B	C	D	E	F	G	H	I
1	US 201901	INTELLIGE	Driscoll; T	Echodyne Corp					
2	US 201902	SYSTEMS A	DITTY; Michael Alan et al.						
3	US 201802	METHOD A	NEHMADI;	VayaVision, Ltd.					
4	US 202003	Navigatior	Sandford;	Psionic, LLC					
5	US 201801	Radar gen	Campbell; Timothy						
6	US 797917	Autonomo	Breed; Da	Intelligent Technologies International, Inc.					
7	US 797917	Autonomo	Breed; Da	Intelligent Technologies International, Inc.					
8	US 201902	SYSTEMS A	HICOK; Gary et al.						
9	US 798380	Vehicular	Breed; Da	Intelligent Technologies International, Inc.					
10	US 201202	Vehicle Air	Breed; Da	AMERICAN VEHICULAR SCIENCES					
11	US 796228	Inertial me	Breed; Da	Intelligent Technologies International, Inc.					

Figure 9(c). Select "Paste" in a new spreadsheet.



	A	B	C	D
1	US 20190137601 A1	INTELLIGENT SENSOR AND INTELLIGENT FEEDBACK-BASED DY	Driscoll; Tom et al.	Echodyne Corp
2	US 20190258251 A1	SYSTEMS AND METHODS FOR SAFE AND RELIABLE AUTONOM	DITTY; Michael Alan et al.	
3	US 20180232947 A1	METHOD AND SYSTEM FOR GENERATING MULTIDIMENSIONA	NEHMADI; Youval et al.	VayaVision, Ltd.
4	US 20200341117 A1	Navigation system for GPS denied environments	Sandford; Stephen Parker et al.	Psionic, LLC
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6	US 7979172 B2	Autonomous vehicle travel control systems and methods	Breed; David S.	Intelligent Technologies International, Inc.
7	US 7979173 B2	Autonomous vehicle travel control systems and methods	Breed; David S.	Intelligent Technologies International, Inc.
8	US 20190265703 A1	SYSTEMS AND METHODS FOR COMPUTER-ASSISTED SHUTTLES	HICOK; Gary et al.	
9	US 7983802 B2	Vehicular environment scanning techniques	Breed; David S.	Intelligent Technologies International, Inc.
10	US 20120209505 A1	Vehicle Airbag System and Method	Breed; David S. et al.	AMERICAN VEHICULAR SCIENCES
11	US 7962285 B2	Inertial measurement unit for aircraft	Breed; David S.	Intelligent Technologies International, Inc.
12	US 8260537 B2	Method for modifying an existing vehicle on a retrofit basis to i	Breed; David S.	Intelligent Technologies International, Inc.
13	US 7899616 B2	Method for obtaining information about objects outside of a v	Breed; David S.	Intelligent Technologies International, Inc.
14	US 20100280751 A1	Road physical condition monitoring techniques	Breed; David S.	INTELLIGENT TECHNOLOGIES INTERNATIONAL, INC.
15	US 8000897 B2	Intersection collision avoidance techniques	Breed; David S. et al.	Intelligent Technologies International, Inc.
16	US 20120323474 A1	Intra-Vehicle Information Conveyance System and Method	Breed; David S. et al.	INTELLIGENT TECHNOLOGIES INTERNATIONAL, INC.
17	US 8209120 B2	Vehicular map database management techniques	Breed; David S.	American Vehicular Sciences LLC
18	US 8068979 B2	Inattentive vehicular operator detection method and arrangem	Breed; David S.	Intelligent Technologies International, Inc.
19	US 20150197248 A1	VEHICLE SPEED CONTROL METHOD AND ARRANGEMENT	Breed; David S. et al.	American Vehicular Sciences LLC
20	US 7983836 B2	Vehicle-traffic control device communication techniques	Breed; David S.	Intelligent Technologies International, Inc.

Figure 9(d). Drag column dividers to display text.