

Welcome to Final Exhibits

Place and review

digital exhibit stickers and page numbers
quickly and easily. At last!



US005491516A

United States Patent [19] **Patent Number:** 5,491,516
Casavant et al. [45] **Date of Patent:** Feb. 13, 1996

[54] **FIELD ELIMINATION APPARATUS FOR A VIDEO COMPRESSION/DECOMPRESSION SYSTEM**

[75] Inventors: Scott D. Casavant, East Windsor, N.J.; Tristan Savatier, Los Angeles, Calif.

[73] Assignee: RCA Thomson Licensing Corporation, Princeton, N.J.

[21] Appl. No.: 4,753
[22] Filed: Jan. 14, 1993
[51] Int. Cl.⁵ H04N 7/137
[52] U.S. Cl. 348/415; 348/401; 348/423
[58] Field of Search 348/97, 415, 416, 348/413, 401, 423; H04N 7/137

[56] **References Cited**
U.S. PATENT DOCUMENTS
3,184,562 5/1965 Horsley 348/415
3,191,191 3/1991 Katznelson 348/97
Krause 348/416

Attorney, Agent, or Firm—Joseph S. Tripoli; Eric P. Hermann; Ronald H. Kurdyla

[57] **ABSTRACT**
Video signal compression apparatus includes a memory for storing two fields of image data and providing fields of image data separated by one frame intervals. Image data from corresponding fields of successive frames are subtracted to generate field differences. The field differences are accumulated over respective field intervals, and the sum is compared against a predetermined value. If a sum of differences over a field is less than the predetermined value, the most recent field is considered to be redundant and may be excised. After respective fields are excised, frames of video signal are composed from the remaining fields. The field types (e.g., odd or even) of the fields in the memory are determined, and the data is accessed from the respective fields in memory such that data from odd and even fields occupy odd and even lines in the composed frames respectively. Flags are associated with composed frames to indicate which fields contain data associated with excised fields, and which field of the composed frames should be displayed first.

4 Claims, 5 Drawing Sheets

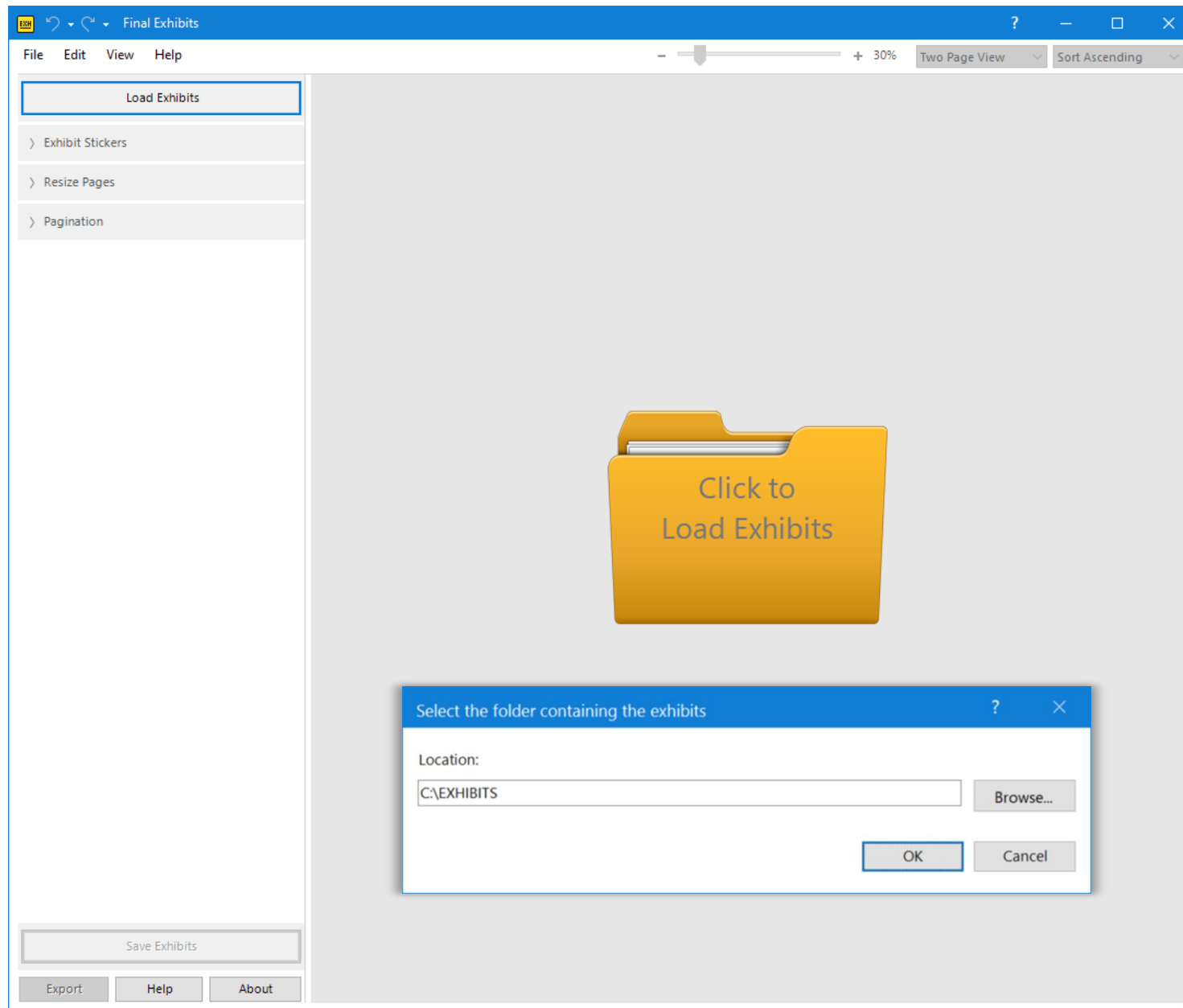
PTX-001.1 of 11

Jones v Smith
TRIAL EXHIBIT
PTX-001

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Loading Exhibits

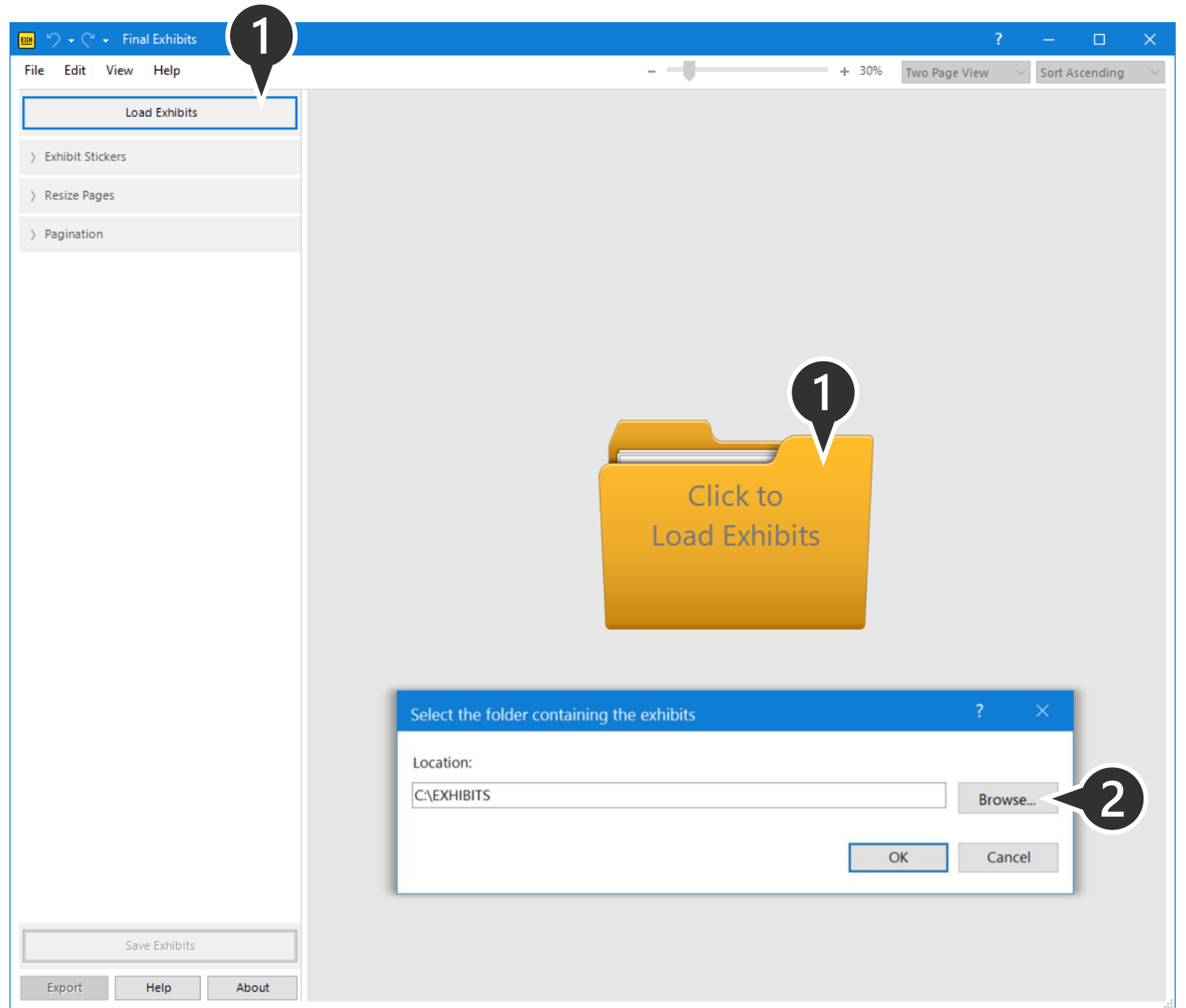


Load Your Exhibits

Getting Started

There are 3 ways to load your exhibits -- **first way:**

1. **Click** the yellow folder or the “**Load Exhibits**” button
2. Then select the *folder* containing your PDF exhibits.

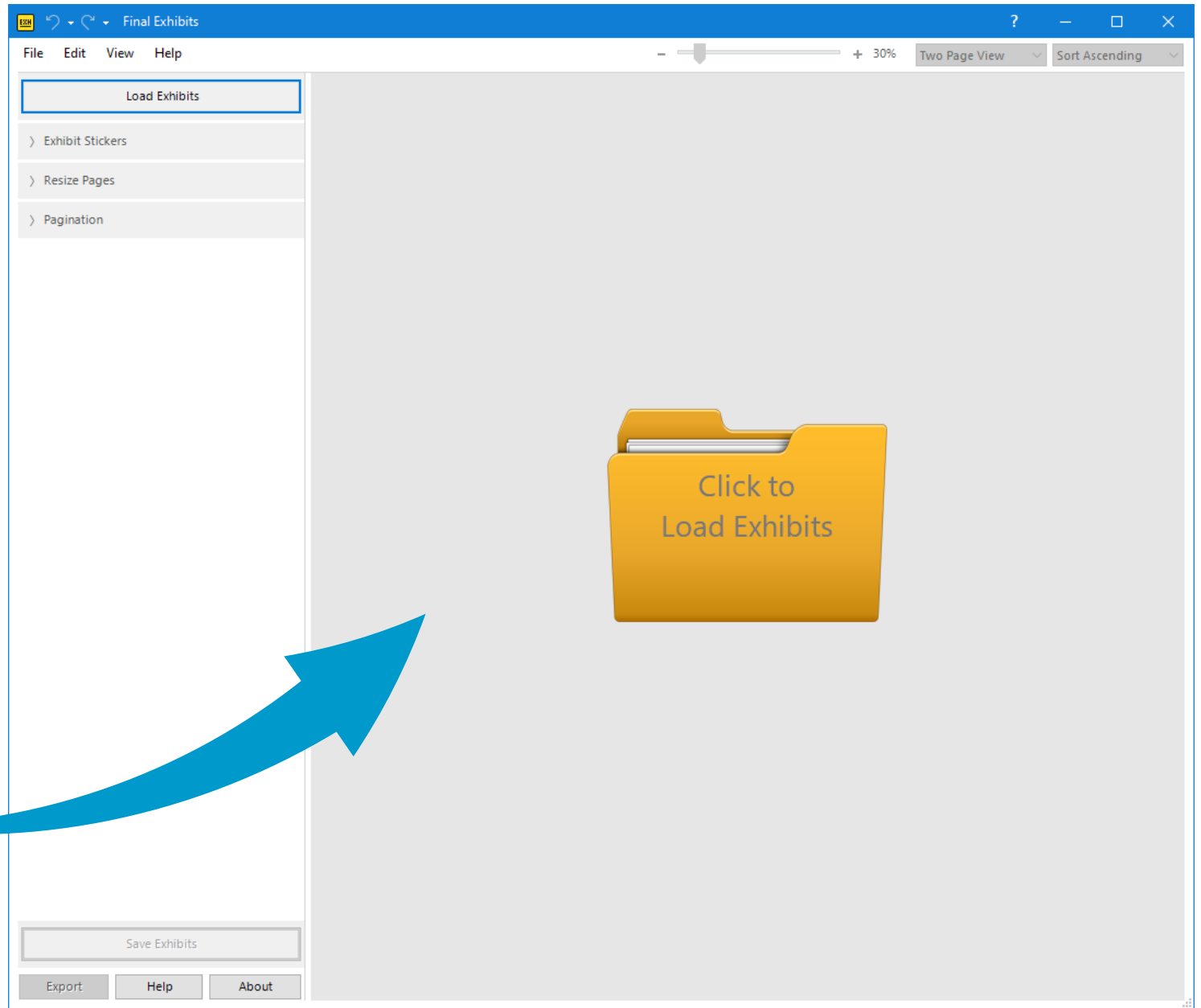
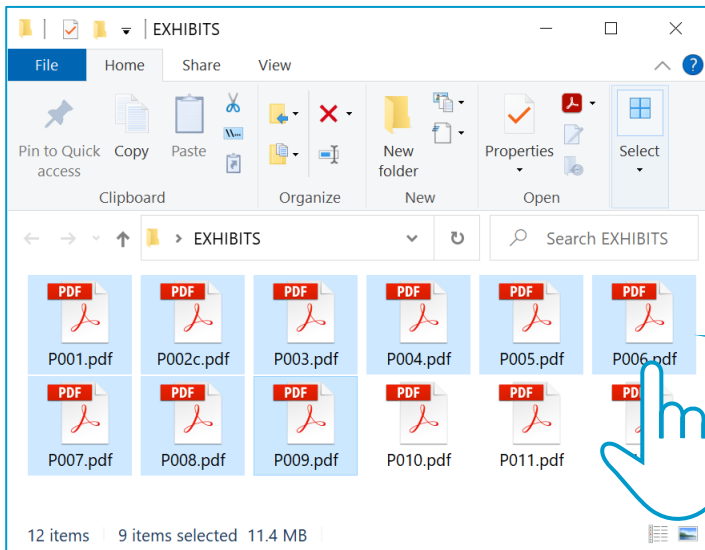


Load Your Exhibits

Getting Started

There are 3 ways to load your exhibits -- **second way**:

1. **Drag-and-Drop** one or many PDFs directly from your File Explorer window onto Final Exhibits.

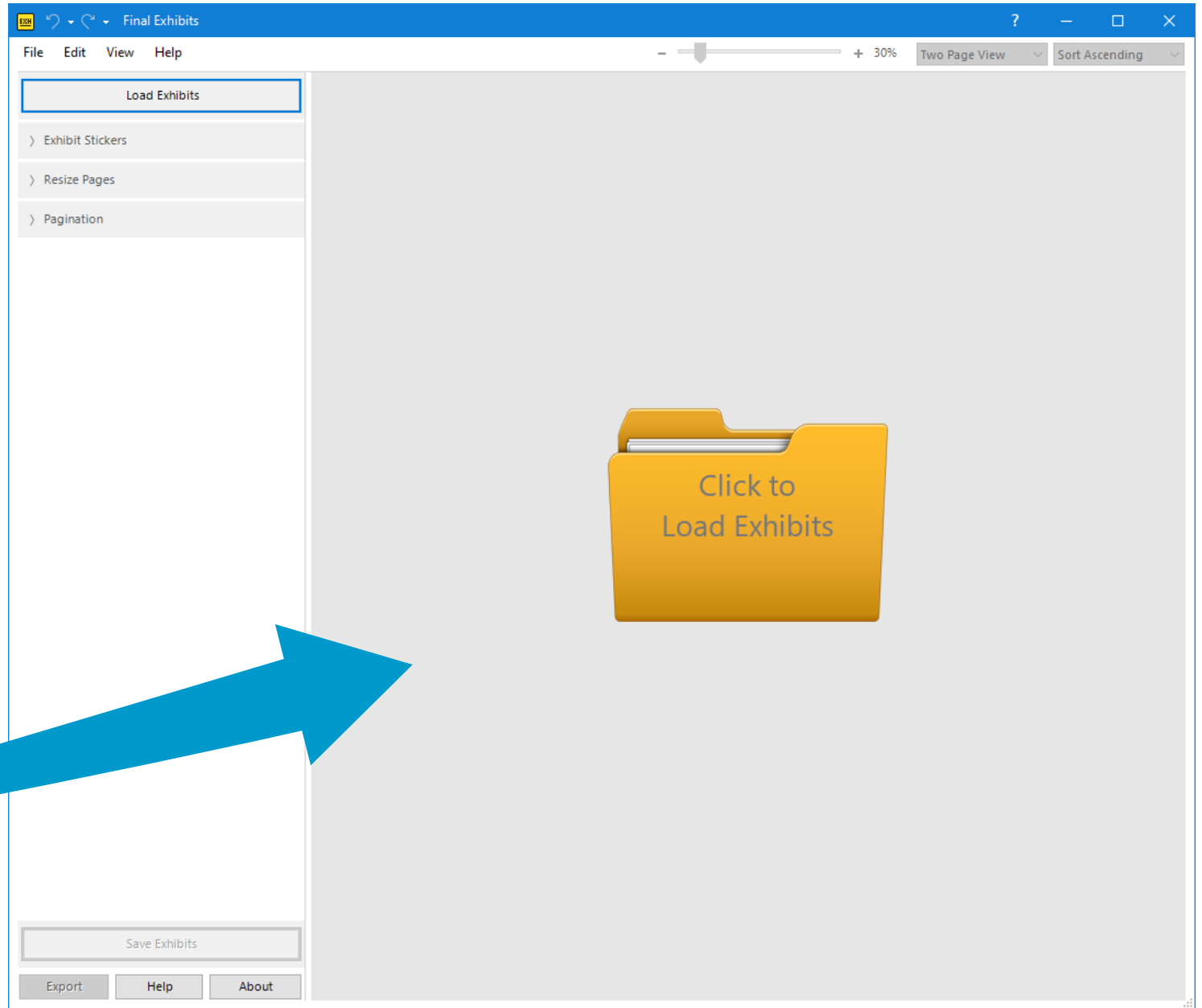
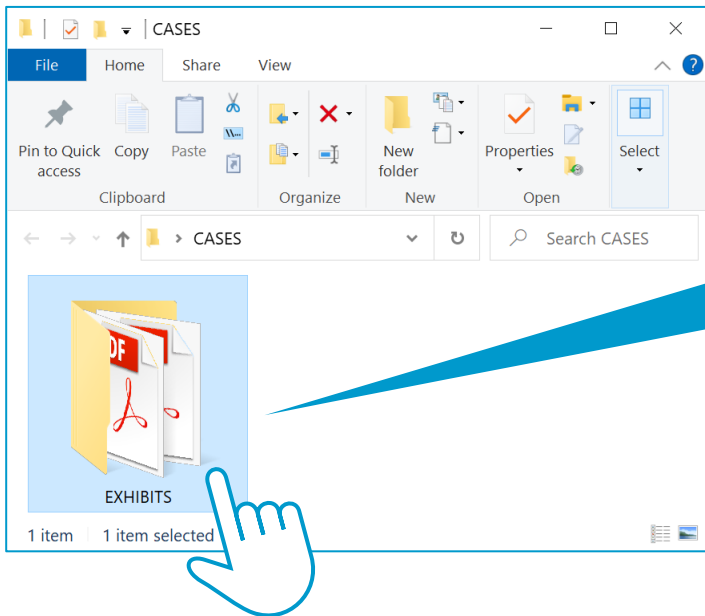


Load Your Exhibits

Getting Started

There are 3 ways to load your exhibits -- **third way**:

1. **Drag-and-Drop** an entire folder of PDFs directly onto Final Exhibits.



Reviewing Exhibits

The Viewport

1. Use the **Zoom**, **Page View** and **Sort** options to change how the loaded documents are displayed.
2. Use the **Scrollbar** to quickly review all of the 'first pages' to find the best position for your exhibit stickers.

The screenshot shows the 'Final Exhibits' software interface. On the left is a sidebar with the following sections:

- Load Exhibits**: A button to load new exhibit files.
- Exhibit Stickers**: A section for managing stickers, showing a stack of yellow stickers labeled 'Jones v Smith TRIAL EXHIBIT PTX-001'. Below this is an 'Edit Sticker' form with fields for 'Jones v Smith', 'TRIAL EXHIBIT', and 'PTX-001'. It includes options to 'Create Exhibit Number' (with prefix and starting number) or 'Create Exhibit Letter' (with prefix and system).
- Place Sticker**: Radio buttons for 'EVERY Exhibit, at once' (selected) and 'INDIVIDUAL Exhibits, one at a time'. There is also an 'Auto Increment' checkbox.
- Delete All Stickers**: A button to clear all stickers.
- Resize Pages**: A section for adjusting page sizes.
- Pagination**: A section for navigating between pages.
- Save Exhibits**: A large green button to save the current configuration.
- Export**, **Help**, and **About**: Additional utility buttons at the bottom.

The main viewport on the right displays four document pages:

- P001.pdf**: A patent document titled 'United States Patent' for 'INDEXING APPARATUS FOR A VIDEO COMPRESSION/DECOMPRESSION SYSTEM'. It includes an abstract, claims, and a block diagram of the indexing apparatus.
- P002.c.pdf**: A document titled 'Strategic Plan for New Business' featuring a bar chart showing data trends over time.
- P003.pdf**: A Japanese patent document titled '公衆特許公報 (A) 平4-177544'. It contains technical text and diagrams in Japanese.
- P004.pdf**: A patent document titled 'United States Patent' for 'REFERENCE SOURCE AND VIDEO DEPENDENCY/DEPENDENT APPARATUS'. It includes an abstract, claims, and a block diagram.

At the top of the software window, there is a toolbar with a zoom level of '+ 30%', a 'Two Page View' dropdown, and a 'Sort Ascending' dropdown. A vertical scrollbar is visible on the right side of the viewport.

Adding, Moving, and Rotating Stickers

US005491516A

United States Patent [19] **Patent Number:** **5,491,516**
Casavant et al. [45] **Date of Patent:** **Feb. 13, 1996**

[54] **FIELD ELIMINATION APPARATUS FOR A VIDEO COMPRESSION/DECOMPRESSION SYSTEM**

[75] Inventors: Scott D. Casavant, East Windsor, N.J.; Tristan Savatier, Los Angeles, Calif.

[73] Assignee: RCA Thomson Licensing Corporation, Princeton, N.J.

[21] Appl. No.: 4,753

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[58] Field of Search 348/97, 415, 416, 348/413, 401, 423; H04N 7/137

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U.S. PATENT DOCUMENTS

3,184,542	5/1965	Horsley	348/415
4,998,287	3/1991	Katznelson	348/97
5,093,720	3/1992	Knause	348/416

Primary Examiner—Howard W. Britton

Attorney, Agent, or Firm—Joseph S. Tripoli; Eric P. Herrmann; Ronald H. Kurdyla

[57] **ABSTRACT**

Video signal compression apparatus includes a memory for storing two fields of image data and providing fields of image data separated by one frame intervals. Image data from corresponding fields of successive frames are subtracted to generate field differences. The field differences are accumulated over respective field intervals, and the sum is compared against a predetermined value. If a sum of differences over a field is less than the predetermined value, the most recent field is considered to be redundant and may be excised. After respective fields are excised, frames of video signal are composed from the remaining fields. The field types (e.g., odd or even) of the fields in the memory are determined, and the data is accessed from the respective fields in memory such that data from odd and even fields occupy odd and even lines in the composed frames respectively. Flags are associated with composed frames to indicate which fields contain data associated with excised fields, and which field of the composed frames should be displayed first.

4 Claims, 5 Drawing Sheets

Jones v Smith
TRIAL EXHIBIT
PTX-001

Create Your Stickers

Choose a Template

1. This is a depiction of what your sticker looks like.
2. Change the sticker by clicking either the **“Sticker Templates”** button or the **plus (+)** sign.

Select and customize from:

- 9 layouts**
- 7 colors + transparent**
- 7 sizes**

The screenshot shows the 'Final Exhibits' software interface. On the left, the 'Exhibit Stickers' panel is visible, showing a stack of yellow stickers with the text 'Jones v Smith TRIAL EXHIBIT PTX-001'. A plus sign (+) is next to the stack, and a callout '1' points to it. Below the stack, there are input fields for 'Jones v Smith' and 'TRIAL EXHIBIT'. There are three radio buttons for creating exhibit numbers: 'Create Exhibit Number' (selected), 'Create Exhibit Letter', and 'Use Exhibit Filename'. The 'Create Exhibit Number' section has fields for 'PTX-' and '001', with 'Prefix (Optional)' and 'Starting Number (Optional)' labels. The 'Create Exhibit Letter' section has fields for 'PTX-', 'A', and 'A,B,AA,BB', with 'Prefix (Optional)', 'Starting Letter', and 'System' labels. The 'Use Exhibit Filename' section has a field for 'P001, P002c, etc...'. A callout '2' points to the 'Sticker Templates' button. Below the button are 'Place Sticker' options: 'EVERY Exhibit, at once' (selected) and 'INDIVIDUAL Exhibits, one at a time' with an 'Auto Increment' checkbox. There is a 'Delete All Stickers' button. At the bottom of the panel are 'Export', 'Help', and 'About' buttons. The main window shows two PDF documents: 'P001.pdf' (United States Patent) and 'P002c.pdf' (Strategic Plan for New Business). A 'Sticker Templates' dialog box is open in the foreground, showing a grid of 10 different sticker layouts. The first layout is selected. Below the grid are 'Color' and 'Size' options. The 'Color' options are Yellow (selected), Orange, Blue, Green, Taupe, Coral, White, and Transparent. The 'Size' options are 80%, 90%, 100% (selected), 110%, 120%, 200%, and 400%. There are 'OK' and 'Cancel' buttons at the bottom of the dialog box.

Create Your Stickers

Edit the Text

1. Change (or erase) the case caption and sticker title by updating the text fields.
2. Change the exhibit numbers:
 - a. Create a custom number using a prefix or a starting number.
 - b. Create a custom letter using a prefix or a starting letter, and selecting an indexing system.
 - c. Use the filename of the PDF as the exhibit number.

The screenshot shows the 'Final Exhibits' software interface. On the left is the 'Edit Sticker' panel, and on the right is a grid of exhibit thumbnails.

Edit Sticker Panel:

- Case Caption:** Jones v Smith
- Sticker Title:** TRIAL EXHIBIT
- Exhibit Numbering Options:**
 - 2a:** Create Exhibit Number: Prefix (Optional) PTX-, Starting Number (Optional) 001
 - 2b:** Create Exhibit Letter: Prefix (Optional) PTX-, Starting Letter A, System A,B,AA,BB
 - 2c:** Use Exhibit Filename: P001, P002c, etc...
- Sticker Templates:** A button to select a template.
- Place Sticker:** Radio buttons for 'EVERY Exhibit, at once' (selected) and 'INDIVIDUAL Exhibits, one at a time'. There is also an 'Auto Increment' checkbox.
- Buttons:** 'Delete All Stickers', 'Save Exhibits', 'Export', 'Help', 'About'.

Exhibit Grid:

- P001.pdf:** United States Patent 5,491,516. Includes a flowchart diagram.
- P002.c.pdf:** Strategic Plan for New Business. Includes a bar chart.
- P003.pdf:** Japanese patent document with a flowchart diagram.
- P004.pdf:** United States Patent 7,376,184 B2. Includes a flowchart diagram.

Place Your Stickers Drag and Drop

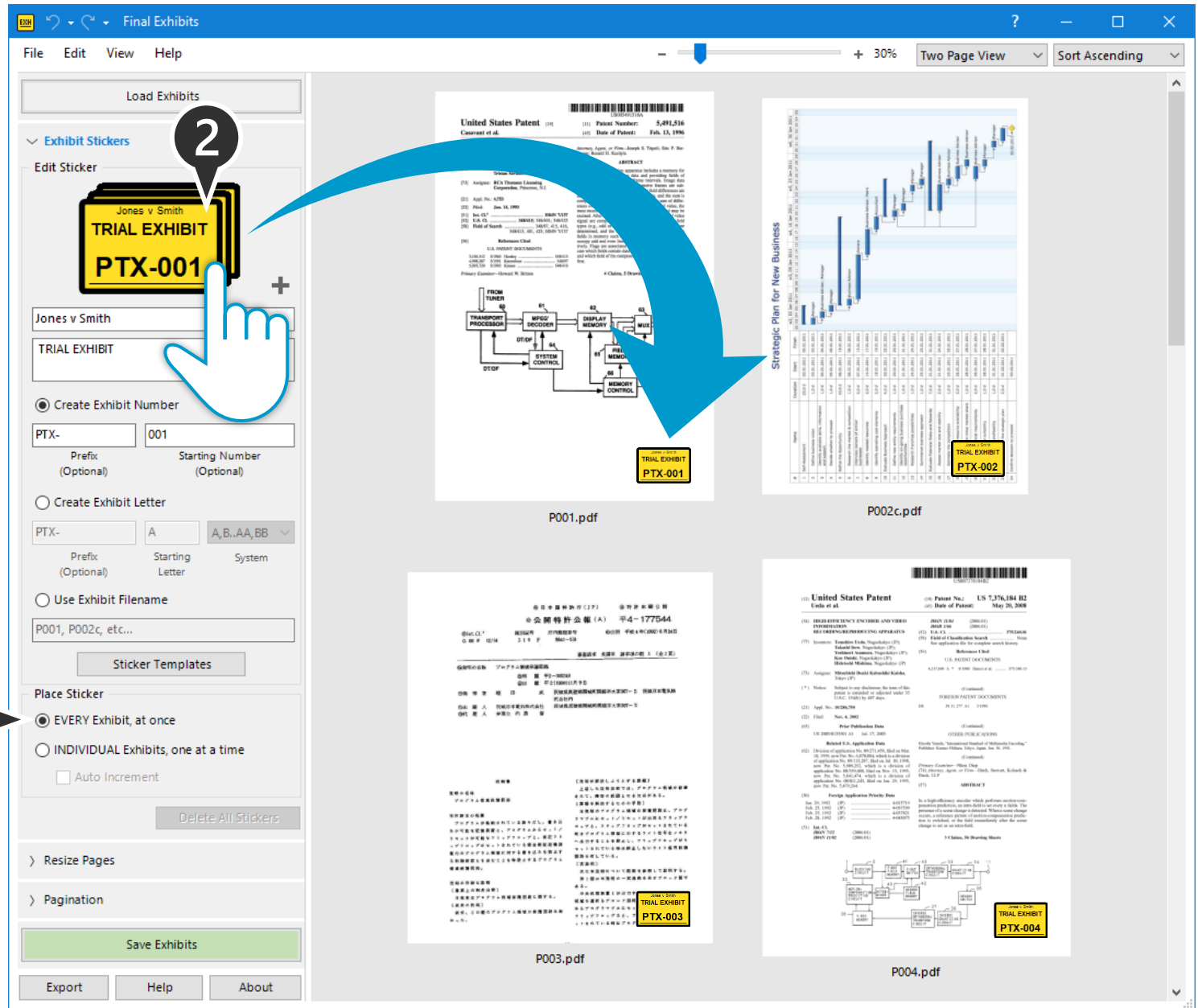
1. Select how to place the stickers, on **individual exhibits** or on **every exhibit at once** (as in this example).

2. Drag and drop the example sticker to a corner of an exhibit.

Final Exhibits will replicate that sticker position on all the loaded exhibits, automatically updating the exhibit numbers in sequence (e.g., PTX-001, PTX-002, etc.).

1

2



Review Your Stickers

Move, Rotate, Edit

1. Move a sticker by dragging it to a new location, directly in the viewport.
2. Edit the individual sticker by right-mouse clicking or double-clicking that sticker.
3. Rotate a sticker by selecting the appropriate amount in the “Rotate” drop-down menu.

The screenshot displays the 'Final Exhibits' software interface. On the left, a sidebar contains an 'Exhibit Stickers' section with an 'Edit Sticker' form. The form includes fields for 'Jones v Smith', 'TRIAL EXHIBIT', and 'PTX-001'. Below these are options to 'Create Exhibit Number', 'Create Exhibit Letter', or 'Use Exhibit Filename'. A 'Place Sticker' section has radio buttons for 'EVERY Exhibit, at once' (selected) and 'INDIVIDUAL Exhibits, one at a time', with an 'Auto Increment' checkbox. At the bottom of the sidebar are buttons for 'Delete All Stickers', 'Save Exhibits', 'Export', 'Help', and 'About'. The main viewport shows a document viewer with two pages: 'P001.pdf' (a patent document) and 'P002c.pdf' (a 'Strategic Plan for New Business' with a bar chart). Two yellow stickers are visible: 'PTX-001' on the patent page and 'PTX-002' on the strategic plan page. A blue arrow labeled '1' points from the 'PTX-002' sticker to a new location on the strategic plan page. A hand icon labeled '2' points to the 'PTX-002' sticker. An 'Edit Sticker' dialog box is open in the foreground, showing the 'Header' as 'Jones v Smith', 'Title' as 'TRIAL EXHIBIT', and 'Exhibit Number' as 'PTX-002'. The 'Rotate' dropdown menu is open, showing options: 'Normal', 'Counterclockwise 90 degrees' (highlighted), 'Clockwise 90 degrees', and '180 Degrees'. A blue arrow labeled '3' points to the 'Counterclockwise 90 degrees' option. The dialog also shows 'Size' at 100%, 'Color' as Yellow, and buttons for 'Delete', 'OK', and 'Cancel'.

Save Your Exhibits Almost Done...

1. Save your placed stickers by clicking **“Save Exhibits.”**
2. “Browse” to select a folder to save the exhibit or use the default **“Output” folder** that Final Exhibits will create for you.*
3. Click **“Save”** and that’s it, you’re done!

* Final Exhibits will not overwrite the source exhibits.

The screenshot shows the Final Exhibits software interface. The main window displays a list of exhibits with a 'Save Exhibits' button at the bottom. A dialog box titled 'Select where to save the stamped & resized Exhibits' is open, showing the output folder path 'C:\Trial Exhibits\PTX\Output' and options for 'Flatten' and 'Save ONLY Stickered Exhibits'. A callout '1' points to the 'Save Exhibits' button, and a callout '2' points to the 'Save' button in the dialog box.

Save Your Exhibits Output Options

1. By default, Final Exhibits will “Flatten” all stamps and forms in your saved exhibits.

Remove the check to leave the documents unflattened.

2. By default, Final Exhibits saves every loaded exhibit.

Checking “Save ONLY Stickered Exhibits” will save only those exhibits that you have placed stickers on.

The screenshot displays the Final Exhibits software interface. On the left, the 'Exhibit Stickers' panel is visible, showing a stack of yellow 'TRIAL EXHIBIT PTX-001' stickers. Below this, there are fields for 'Jones v Smith' and 'TRIAL EXHIBIT'. The 'Create Exhibit Number' section has 'PTX-' and '001' entered. The 'Place Sticker' section has 'EVERY Exhibit, at once' selected. At the bottom of the panel is a 'Save Exhibits' button. The main window shows two PDF documents: 'P001.pdf' (a patent document) and 'P002c.pdf' (a bar chart). A dialog box titled 'Select where to save the stamped & resized Exhibits' is overlaid on the right. It has an 'Output folder' field with 'C:\Trial Exhibits\PTX\Output' and a 'Browse...' button. The 'Output Option' section has 'Flatten' checked and 'Save ONLY Stickered Exhibits' unchecked. The 'Save' button is highlighted with a dashed border. A red circle with the number '1' points to the 'Save Exhibits' button, and a red circle with the number '2' points to the 'Save ONLY Stickered Exhibits' checkbox.

Resizing Exhibits

US005491516A

United States Patent [19] [11] **Patent Number:** **5,491,516**
Casavant et al. [45] **Date of Patent:** **Feb. 13, 1996**

[54] **FIELD ELIMINATION APPARATUS FOR A VIDEO COMPRESSION/DECOMPRESSION SYSTEM**

[75] **Inventors:** Scott D. Casavant, East Windsor, N.J.; Tristan Savatier, Los Angeles, Calif.

[73] **Assignee:** RCA Thomson Licensing Corporation, Princeton, N.J.

[21] **Appl. No.:** 4,753
[22] **Filed:** Jan. 14, 1993

[51] **Int. Cl.⁶** H04N 7/137
[52] **U.S. Cl.** 348/415; 348/401; 348/423
[58] **Field of Search** 348/97, 415, 416, 348/413, 401, 423; H04N 7/137

[56] **References Cited**
U.S. PATENT DOCUMENTS
3,184,542 5/1965 Horsley 348/415
4,998,287 3/1991 Katzelson 348/97
5,093,720 3/1992 Krauss 348/416

Primary Examiner—Howard W. Britton

4 Claims, 5 Drawing Sheets

ABSTRACT
Video signal compression apparatus includes a memory for storing two fields of image data and providing fields of image data separated by one frame intervals. Image data from corresponding fields of successive frames are subtracted to generate field differences. The field differences are accumulated over respective field intervals, and the sum is compared against a predetermined value. If a sum of differences over a field is less than the predetermined value, the most recent field is considered to be redundant and may be excised. After respective fields are excised, frames of video signal are composed from the remaining fields. The field types (e.g., odd or even) of the fields in the memory are determined, and the data is accessed from the respective fields in memory such that data from odd and even fields occupy odd and even lines in the composed frames respectively. Flags are associated with composed frames to indicate which fields contain data associated with excised fields, and which field of the composed frames should be displayed first.

```
graph LR; Tuner[FROM TUNER] --> TP[TRANSPORT PROCESSOR 60]; TP --> MD[MPEG DECODER 61]; MD --> DM[DISPLAY MEMORY 62]; DM --> MUX[MUX 63]; MUX --> Display[TO DISPLAY]; SC[SYSTEM CONTROL 64] <--> TP; SC <--> MD; SC <--> DM; DM <--> FM[FIELD MEMORY 65]; MC[MEMORY CONTROL 66] <--> FM;
```

Resize Exhibits

Expand Edges

Final Exhibits can also resize individual pages in your exhibit file folder.

1. Check the **“Expand Edges”** box under the **“Resize Pages”** menu.
2. Enter how much you want to expand on each edge.
3. Select the pages you want to resize in each exhibit.
4. Click **“Apply to Preview”** to see how the changes will look on your exhibits.
5. Remove all resizing previews by clicking **“Reset.”**

The screenshot shows the 'Final Exhibits' software interface. On the left, the 'Resize Pages' menu is expanded, and the 'Expand Edges' checkbox is checked. The settings for expanding edges are: Top: 0.20 in, Bottom: 0.30 in, Left: 0.00 in, and Right: 1.00 in. The 'Shrink Page' checkbox is unchecked, and the scale is set to 100%. The 'Anchor' section shows a grid of icons for selecting which edges to expand. The 'Resize Which Pages?' section has 'First Page of Each Exhibit' selected. The 'Apply to Preview' button is highlighted. At the bottom, the 'Save Exhibits' button is visible. On the right, a preview of a patent document is shown, with a dashed border around it indicating the expanded edges. The patent is for 'United States Patent 5,491,516' by Casavant et al., dated Feb. 13, 1996. The document includes an abstract and a block diagram of a video compression apparatus.

1

2

3

4

5

Resize Exhibits

Shrink Page

1. Check the **“Shrink Page”** box under the **“Resize Pages”** menu.*
2. Enter the desired percentage scale and select an anchor point.
3. Click **“Apply to Preview.”**

* You can use Expand Edges and Shrink Page at the same time.

** You can resize pages at the same time you are adding exhibit stickers!

The screenshot shows the 'Final Exhibits' software interface. On the left, the 'Resize Pages' menu is expanded, showing the 'Shrink Page' checkbox checked. The 'Scale to' dropdown is set to 85%, and the 'Anchor' section shows a grid of anchor points with the top-left one selected. The 'Apply to Preview' button is highlighted with a callout circle labeled '3'. The main preview area displays a patent document titled 'United States Patent 5,491,516' for 'FIELD ELIMINATION APPARATUS FOR A VIDEO COMPRESSION/DECOMPRESSION SYSTEM'. The document includes an abstract, inventor information, and a block diagram of the system. The diagram shows a flow from a 'FROM TUNER' input through a 'TRANSPORT PROCESSOR' (60) to an 'MPEG DECODER' (61), then to 'DISPLAY MEMORY' (62) and 'FIELD MEMORY' (65). A 'SYSTEM CONTROL' (64) block is connected to the transport processor, decoder, and display memory. A 'MEMORY CONTROL' (66) block is connected to the field memory. The output goes through a 'MUX' (63) to 'TO DISPLAY'. The software interface also shows a 'Load Exhibits' button, 'Exhibit Stickers' section, and 'Save Exhibits' button at the bottom.

Save Exhibits Almost Done!

1. Save your changes by clicking **“Save Exhibits.”**
2. **“Browse”** to select a folder or use the default **“output”** folder that Final Exhibits will create for you.

Click **“Save”** and you are done!

The screenshot shows the Final Exhibits software interface. The main window displays a patent document titled "United States Patent 5,491,516" for "FIELD ELIMINATION APPARATUS FOR A VIDEO COMPRESSION/DECOMPRESSION SYSTEM". The document includes an abstract, inventors (Scott D. Casavant, Eric Winchoc, Tristan Swadlow), assignee (RCA Thomson Licensing Corporation), and a block diagram of the apparatus. The diagram shows a flow from a "FROM TUNER" input through a "TRANSPORT PROCESSOR" (60) to an "MPEG DECODER" (61), then to "DISPLAY MEMORY" (62) and "FIELD MEMORY" (65). A "SYSTEM CONTROL" (64) block is connected to the transport processor and decoder. A "MUX" (63) block is connected to the display memory and field memory, leading to "TO DISPLAY".

On the left side of the interface, there are several panels for configuring the exhibit. The "Resize Pages" panel is active, showing options to "Expand Edges" (Top: 0.20 in, Bottom: 0.30 in, Left: 0.00 in, Right: 1.00 in) and "Shrink Page" (Scale to: 85%). There are also options for "Anchor" and "Show Page Border". Below these are "Resize Which Pages?" options: "First Page of Each Exhibit" (selected) and "Every Page of Every Exhibit".

At the bottom of the interface, a large green button labeled "Save Exhibits" is highlighted with a black callout bubble containing the number "1".

Overlaid on the bottom right is a dialog box titled "Select where to save the stamped & resized Exhibits". The dialog has a blue header and a white body. It contains an "Output folder:" field with the text "C:\Trial Exhibits\PTX\Output" and a "Browse..." button. Below this is an "Output Option:" section with two checkboxes: "Flatten" (checked) and "Save ONLY Stickered Exhibits" (unchecked). At the bottom of the dialog are four buttons: "Buy Now", "Enter Key", "Save" (highlighted with a blue dashed border), and "Cancel". A black callout bubble with the number "2" points to the "Save" button.

Exhibit Pagination



United States Patent [19] [11] **Patent Number:** 5,491,516
Casavant et al. [45] **Date of Patent:** Feb. 13, 1996

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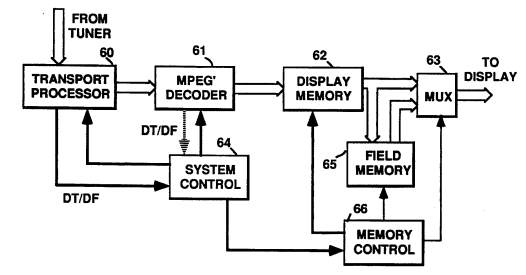
Primary Examiner—Howard W. Britton

Attorney, Agent, or Firm—Joseph S. Tripoli; Eric P. Hermann; Ronald H. Kurdyla

[57] **ABSTRACT**

Video signal compression apparatus includes a memory for storing two fields of image data and providing fields of image data separated by one frame intervals. Image data from corresponding fields of successive frames are subtracted to generate field differences. The field differences are accumulated over respective field intervals, and the sum is compared against a predetermined value. If a sum of differences over a field is less than the predetermined value, the most recent field is considered to be redundant and may be excised. After respective fields are excised, frames of video signal are composed from the remaining fields. The field types (e.g., odd or even) of the fields in the memory are determined, and the data is accessed from the respective fields in memory such that data from odd and even fields occupy odd and even lines in the composed frames respectively. Flags are associated with composed frames to indicate which fields contain data associated with excised fields, and which field of the composed frames should be displayed first.

4 Claims, 5 Drawing Sheets



PTX1.1 of 11

PTX1. 2 of 11

PTX1. 3 of 11

Create Your Page Numbers

Choose a Template

Adding Page Numbers is just as easy as adding Exhibit Stickers.

1. This is what your page number currently looks like.
2. Change the font, size and color of the page numbers by clicking the “**Number Templates**” button or the **plus (+) sign**.

The screenshot displays the 'Final Exhibits' software interface. The main window shows a document titled 'United States Patent' for 'Casavant et al.' with patent number '5,491,516' and date 'Feb. 13, 1996'. The 'Page Numbers' settings panel on the left is active, showing a preview of 'P001-0001 of n'. A callout '1' points to this preview. Below the preview, there are options to 'Create Page Number' (optional), with fields for 'Prefix' (01), 'Spacer' (-), and 'Starting Page Number' (0001). There are also checkboxes for 'Auto Increment', 'Add "of n" total pages suffix', 'Do Not Show on First Page', and 'Continue Numbering Pages Across Loaded Exhibits'. A 'Number Templates' button is highlighted with a callout '2'. At the bottom of the settings panel are buttons for 'Place Page Numbers' (EVERY Exhibit, at once; INDIVIDUAL Exhibits, one at a time), 'Delete Page Numbers', and 'Save Exhibits'. The 'Number Templates' dialog box is open, showing font options (Arial, Times New Roman, Courier New, Arial Narrow) with 'Courier New' selected and 'Bold' checked. Size options (8 point, 10 point, 12 point, 14 point) with '14 point' selected. Color options (Black, Blue, Red, Green, Gray, White) with 'Green' selected. 'OK' and 'Cancel' buttons are at the bottom.

Create Your Page Numbers

Edit the Text

1. Customize your page numbers:

a. Create your page number using a prefix or a starting number.

OR

b. Use the PDF's filename as the prefix.

1a

1b

The screenshot shows the 'Final Exhibits' software interface. On the left is the 'Pagination' settings panel, and on the right is a preview of a PDF document.

Pagination Settings Panel:

- Buttons: Load Exhibits, Exhibit Stickers, Resize Pages
- Section: **Pagination**
- Section: **Page Numbers**
- Current display: P001-0001 of n
- Radio button: Create Page Number (optional)
- Fields: Prefix (01), Spacer (-), Starting Page Number (0001)
- Table:

Prefix	Starting Prefix Number or Letter	Spacer	Starting Page Number
01		-	0001
- Radio button: Auto Increment Starting Prefix Numbers or Letters (System: A,B,AA,BB)
- Radio button: Use Exhibit Filename (Prefix: P001, etc..., Starting Page Number: 0001)
- Checkboxes: Add "of n" total pages suffix, Do Not Show on First Page, Continue Numbering Pages Across Loaded Exhibits
- Button: Number Templates
- Section: **Place Page Numbers**
- Radio buttons: EVERY Exhibit, at once, INDIVIDUAL Exhibits, one at a time
- Button: Delete Page Numbers
- Button: Save Exhibits
- Buttons: Export, Help, About

PDF Document Preview:

- Barcode: US005491516A
- Title: **United States Patent** [19]
- Patent Number: **5,491,516**
- Inventor: **Casavant et al.**
- Date of Patent: **Feb. 13, 1996**
- Abstract: **FIELD ELIMINATION APPARATUS FOR A VIDEO COMPRESSION/DECOMPRESSION SYSTEM**
- Applicant: **Scott D. Casavant, East Windsor, N.J.; Tristan Savatier, Los Angeles, Calif.**
- Assignee: **RCA Thomson Licensing Corporation, Princeton, N.J.**
- Filed: **Jan. 14, 1993**
- App. No.: **4,753**
- Int. Cl. ⁵: **H04N 7/137**
- U.S. Cl.: **348/415; 348/401; 348/423**
- Field of Search: **348/97; 415; 416; 348/413, 401, 423; H04N 7/137**
- References Cited: **U.S. PATENT DOCUMENTS**
- U.S. Pat. 3,184,542 (5/1965) Horsley
- U.S. Pat. 4,988,287 (3/1991) Kazhdan
- U.S. Pat. 5,093,720 (3/1992) Krause
- Primary Examiner: **Howard W. Britton**
- Claims: **4 Claims, 5 Drawing Sheets**
- Diagram: A block diagram showing the flow of video data from a **FROM TUNER** through a **TRANSPORT PROCESSOR** (60), an **MPEG DECODER** (61), **DISPLAY MEMORY** (62), and a **MUX** (63) to **TO DISPLAY**. It also includes **SYSTEM CONTROL** (64), **FIELD MEMORY** (65), and **MEMORY CONTROL** (66) blocks.

Create Your Page Numbers

Edit the Text

1. To display the total number of pages for each exhibit, check the box labeled **“Add ‘of n’ total pages suffix”**
2. Checking **“Do Not Show on First Page”** will hide the pagination on the first page.
3. For Bates-like numbering across all loaded exhibits, check the box labeled **“Continue Numbering Pages Across Loaded Exhibits”**

The screenshot shows the 'Final Exhibits' software interface. On the left is a configuration panel for 'Page Numbers'. The 'Page Numbers' section shows a preview of 'P001-0001 of n'. Below this, there are options for 'Create Page Number' (optional) and 'Use Exhibit Filename'. The 'Add 'of n' total pages suffix' checkbox is checked, indicated by a callout bubble with the number '1'. The 'Do Not Show on First Page' checkbox is also checked, indicated by a callout bubble with the number '2'. The 'Continue Numbering Pages Across Loaded Exhibits' checkbox is unchecked, indicated by a callout bubble with the number '3'. At the bottom of the panel is a 'Save Exhibits' button. On the right is a preview of a patent document titled 'United States Patent 5,491,516'. The document includes a barcode, title, inventor information, and an abstract. The preview is labeled 'P001.pdf' at the bottom.

Place Your Page Numbers

Drag and Drop

1. Select how to place the page numbers, on **individual exhibits** or on **every exhibit at once** (as in this example).

2. Drag and drop the example page number to a corner of an exhibit.

As before, Final Exhibits will replicate that page number position on every loaded exhibit.

The screenshot shows the 'Final Exhibits' software interface. On the left is a settings panel for 'Page Numbers'. A callout '1' points to the 'Place Page Numbers' section, where the radio button for 'EVERY Exhibit, at once' is selected. A callout '2' points to a blue hand icon dragging a green page number 'P001-0001 of n' from the settings panel to the bottom right corner of a document page. The document page is a patent document titled 'United States Patent' for 'Casavant et al.' with patent number '5,491,516' and date 'Feb. 13, 1996'. The document includes a barcode, a table of contents, and a block diagram of a video processing system. The block diagram shows a flow from 'FROM TUNER' (60) to 'TRANSPORT PROCESSOR' (61), then to 'MPEG DECODER' (62), 'DISPLAY MEMORY' (63), and 'MUX' (64) leading to 'TO DISPLAY'. A 'SYSTEM CONTROL' (65) block is connected to the transport processor, decoder, and display memory. A 'FIELD MEMORY' (66) block is connected to the display memory and mux. A 'MEMORY CONTROL' (67) block is connected to the field memory and mux. The page number 'P001-0001 of 0011' is now visible in the bottom right corner of the document page.

Review Your Page Numbers

Move, Rotate, Edit

1. Move a page number by dragging it to a new location, directly in the viewport.
2. Edit individual page numbers by **right-mouse clicking** or **double-clicking** that sticker.
3. Rotate a page number by selecting the appropriate amount in the **“Rotate”** drop-down menu.

The screenshot displays the 'Final Exhibits' software interface. The main window shows a patent document titled 'United States Patent Casavant et al.' with a patent number of 5,491,516 and a date of Feb. 13, 1996. The document content includes the title 'FIELD ELIMINATION APPARATUS FOR A VIDEO COMPRESSION/DECOMPRESSION SYSTEM' and an abstract. The software interface includes a sidebar with options like 'Load Exhibits', 'Exhibit Stickers', 'Resize Pages', and 'Pagination'. The 'Page Numbers' section in the sidebar shows a preview of 'P001-0001 of n' and configuration options for prefix, starting page, and rotation. An 'Edit Page Number' dialog box is open, showing the configuration for 'P001' with a starting prefix number of 0001 and a rotation of 'Normal'. A hand cursor is shown clicking on the 'P001-0001 of 0011' page number in the document view, with a blue arrow pointing to the 'Edit Page Number' dialog box. A red circle with the number '3' is placed over the 'Rotate' dropdown menu in the dialog box.

Save Your Exhibits Almost Done...

1. Save your placed page numbers by clicking **“Save Exhibits.”**
2. “Browse” to select a folder to save the exhibit or use the default **“Output”** folder that Final Exhibits will create for you.
3. Click **“Save.”**

The screenshot shows the Final Exhibits software interface. The main window displays a document preview of a patent document titled "United States Patent" for "FIELD ELIMINATION APPARATUS FOR A VIDEO COMPRESSION/DECOMPRESSION SYSTEM". The document includes a barcode, patent number 5,491,516, and date of patent Feb. 13, 1996. Below the document is a block diagram of the video signal compression apparatus, showing components like the Transport Processor, MPEG Decoder, Display Memory, and MUX.

The left sidebar contains various settings for saving exhibits. A callout '1' points to the "Save Exhibits" button at the bottom of the sidebar. The "Page Numbers" section shows "P001-0001 of n" and options for creating page numbers, including a table for Prefix, Starting Prefix Number or Letter, Spacer, and Starting Page Number.

The "Save Exhibits" dialog box is open, showing the "Output folder" set to "C:\Trial Exhibits\PTX\Output" and a "Browse..." button. Callout '2' points to the "Browse..." button. The "Output Option" section has "Flatten" checked and "Save ONLY Stickered Exhibits" unchecked. Callout '3' points to the "Save" button. Other buttons in the dialog include "Buy Now", "Enter Key", and "Cancel".

Export Options

The screenshot displays the 'Final Exhibits' software interface. On the left is a control panel with the following sections:

- Load Exhibits**: A button to load existing exhibits.
- Exhibit Stickers**: A section for managing stickers, showing a stack of yellow stickers with the text 'Jones v Smith TRIAL EXHIBIT PTX-001'.
- Edit Sticker**: A form to edit sticker details, including:
 - Text input: Jones v Smith
 - Text input: TRIAL EXHIBIT
 - Radio button: **Create Exhibit Number** (selected). Fields: Prefix (PTX-), Starting Number (001).
 - Radio button: **Create Exhibit Letter**. Fields: Prefix (PTX-), Starting Letter (A), System (A,B,AA,BB).
 - Radio button: **Use Exhibit Filename**. Field: P001, P002c, etc...
- Sticker Templates**: A button to select different sticker designs.
- Place Sticker**: Radio buttons for **EVERY Exhibit, at once** (selected) and **INDIVIDUAL Exhibits, one at a time**. A checkbox for **Auto Increment** is present.
- Delete All Stickers**: A button to clear the current exhibit list.
- Resize Pages**: A section for adjusting page dimensions.
- Pagination**: A section for setting page numbers.
- Save Exhibits**: A large green button to save the current configuration.
- Export**, **Help**, **About**: Buttons at the bottom of the control panel.

The main area shows a grid of exhibit thumbnails:

- P001.pdf**: A patent document titled 'United States Patent' for 'FIELD GENERATION APPARATUS FOR A VIDEO-COMPRESSION/DECOMPRESSION SYSTEM'.
- P002c.pdf**: A document titled 'Strategic Plan for New Business' featuring a bar chart and a data table.
- P003.pdf**: A document with Japanese text, including the title '公開特許公報(A) 平4-177544'.
- P004.pdf**: A patent document titled 'United States Patent' for 'REFERENCE ENCODING AND VIDEO DEINTERLACING APPARATUS'.



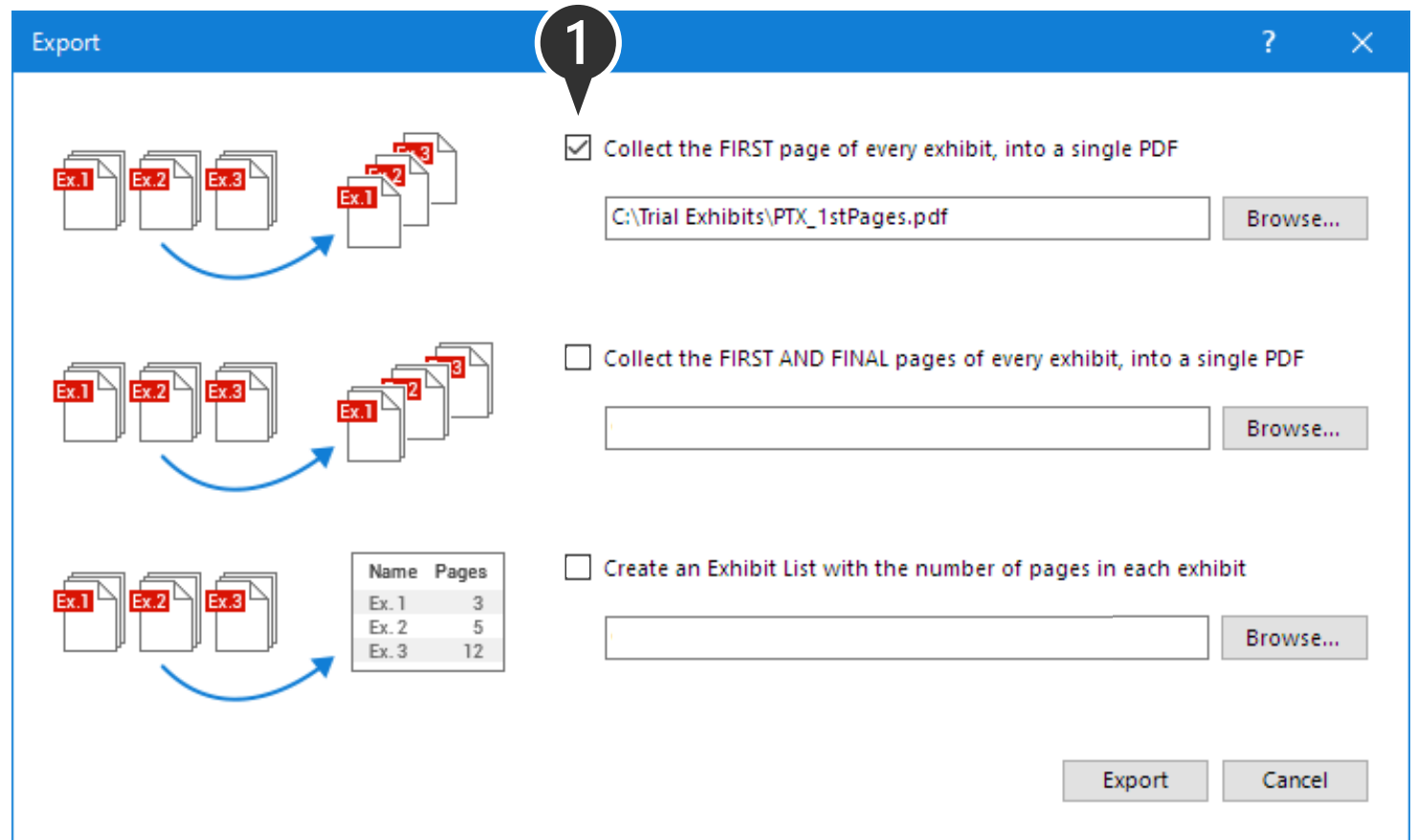
Updating Your Printed Exhibits

Collect 'First Page' of all PDFs

To update your already printed exhibits with the newly stamped 'first pages',

1. Create a PDF of just the first page of your exhibits by clicking **"Export"** and selecting **"Collect the FIRST page..."** check box.

Once exported , you can print this new PDF and replace your existing "first pages."



Quality Control of DMS Export

Collect 'First' and 'Final Pages'

To verify that your firm's document management system (DMS) accurately exported all the pages of your documents:

1. Create a PDF of just the "FIRST AND FINAL" pages' of your exhibits by clicking "**Export**" and selecting the second check box.

Use this new PDF, to compare starting and ending Bates numbers of the exported docs against the DMS.

Export

Collect the FIRST page of every exhibit, into a single PDF

Collect the FIRST AND FINAL pages of every exhibit, into a single PDF

Create an Exhibit List with the number of pages in each exhibit

C:\Trial Exhibits\PTX_1st-FinalPages.pdf

Export Cancel

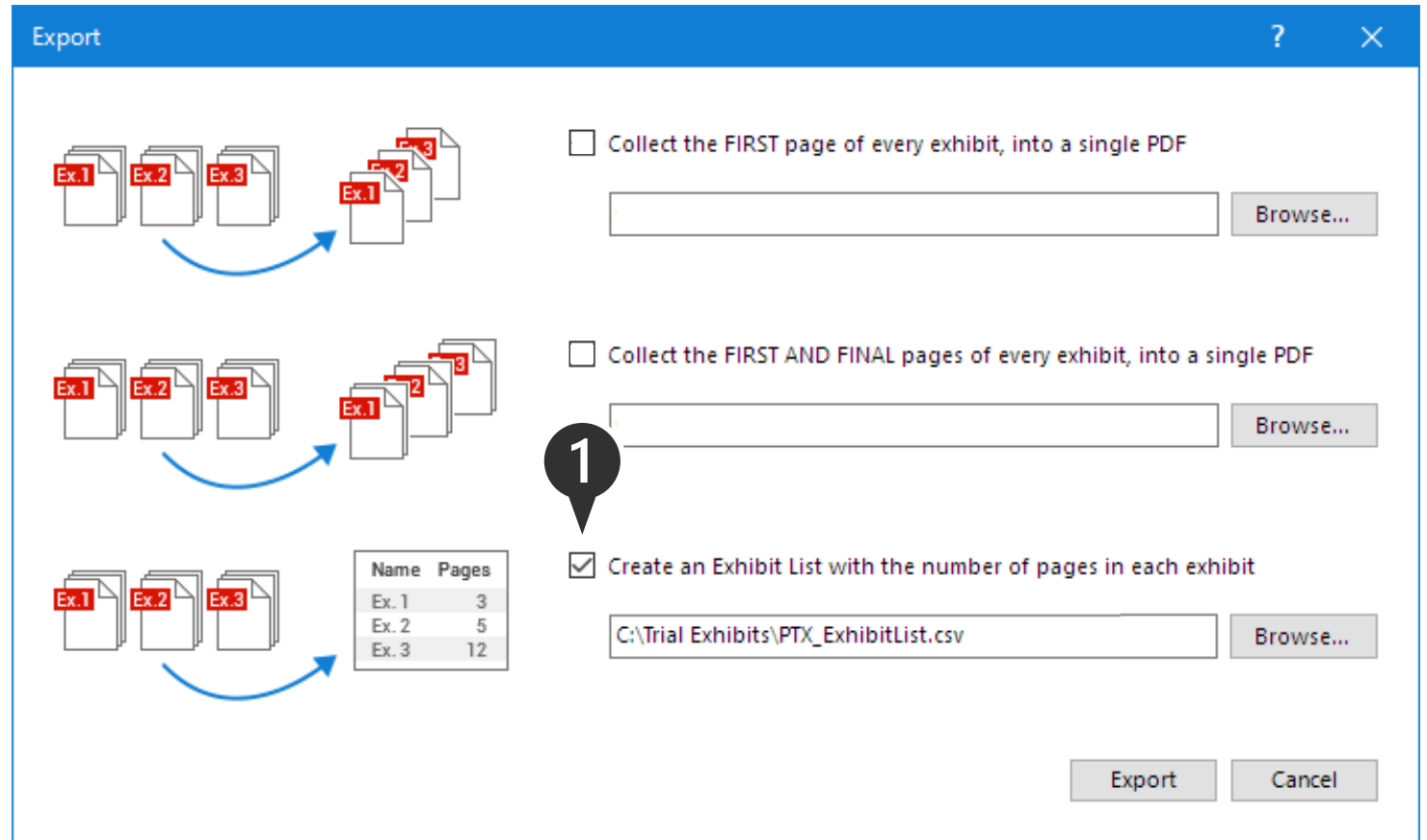
Name	Pages
Ex. 1	3
Ex. 2	5
Ex. 3	12

Exhibit List Review

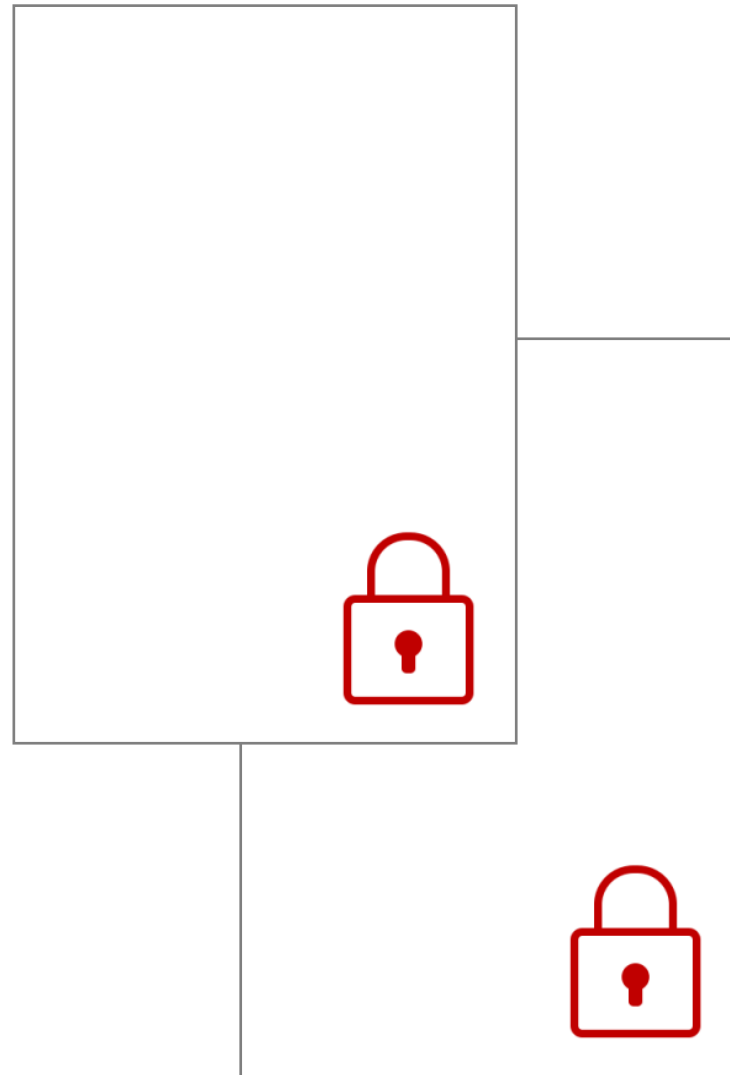
Create Exhibit List

To create a list of all loaded exhibits:

1. Create a CSV file that lists all of the filenames of the exhibits and their page counts, by clicking **“Export”** and selecting the third check box.



Locked PDFs



Unable to Load Files! Import Notification

Did you get the
“Unable to Load Files!”
notification?

Things to check...

The screenshot shows the 'Final Exhibits' software interface. On the left is a sidebar with options like 'Load Exhibits', 'Exhibit Stickers', and 'Edit Sticker'. The 'Edit Sticker' section is active, showing a yellow 'TRIAL EXHIBIT PTX-001' sticker template. The main area displays a document viewer with a red padlock icon overlaid on the right side, indicating a file is locked. An error dialog box titled 'Unable to Load Files!' is open in the foreground, providing instructions on how to resolve the issue.

Unable to Load Files!

The following files cannot be loaded. Please check to see if the PDFs are currently open in another application.

- If they are, close them and reload your exhibits.
- If they are not, these PDFs are currently locked and will need to be unlocked before you can load them.
 - See the “Locked PDFs” section of the [Reference Guide](#) for additional guidance.

- P002c.pdf

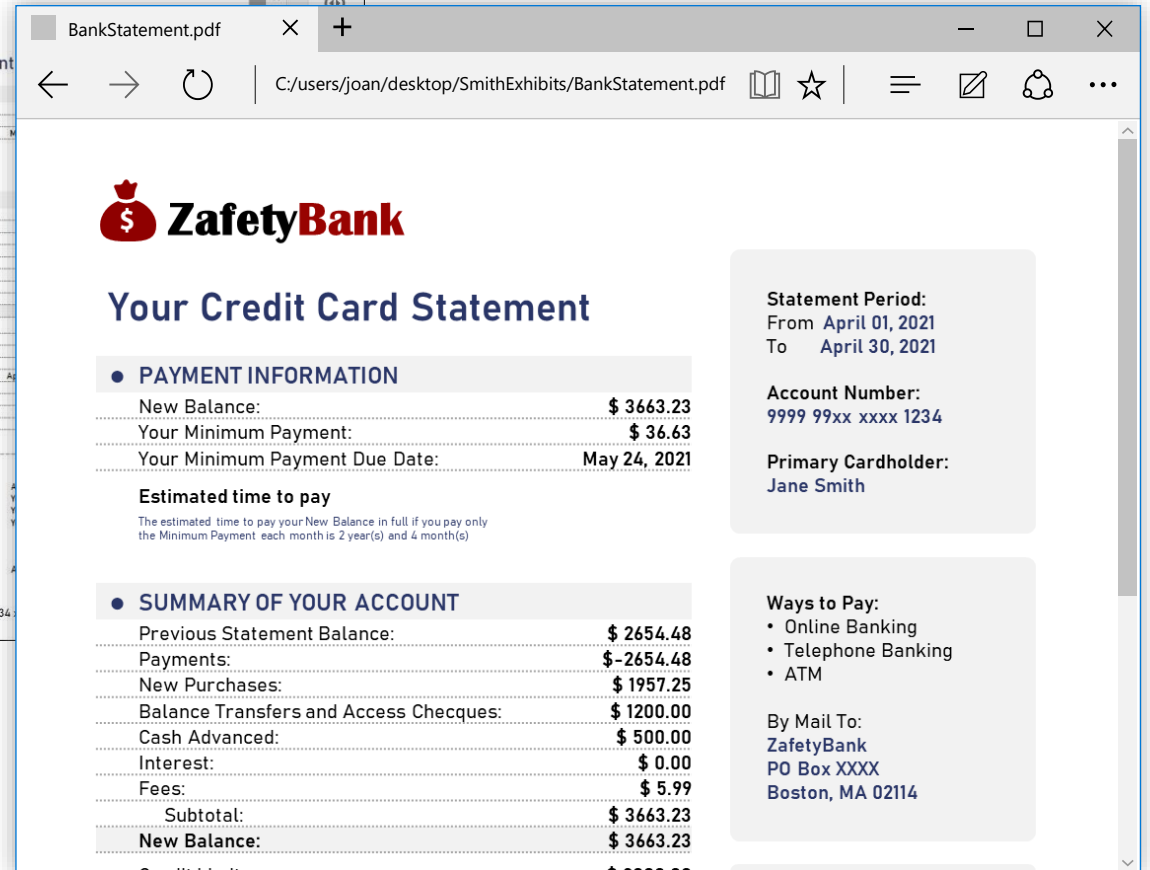
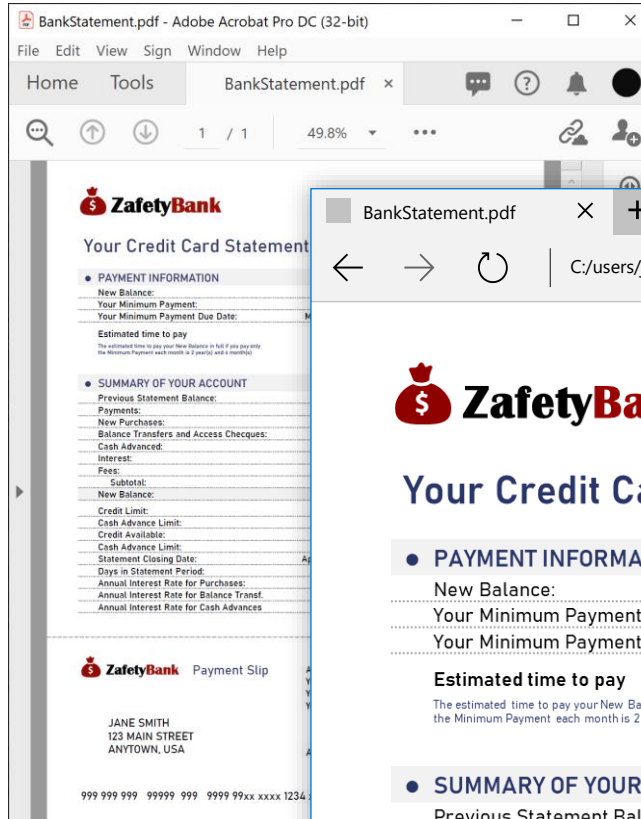
OK

Unable to Load Files!

Things to Check...

Is the file open in a PDF Reader or in a browser?

Close it and try reloading the exhibits.

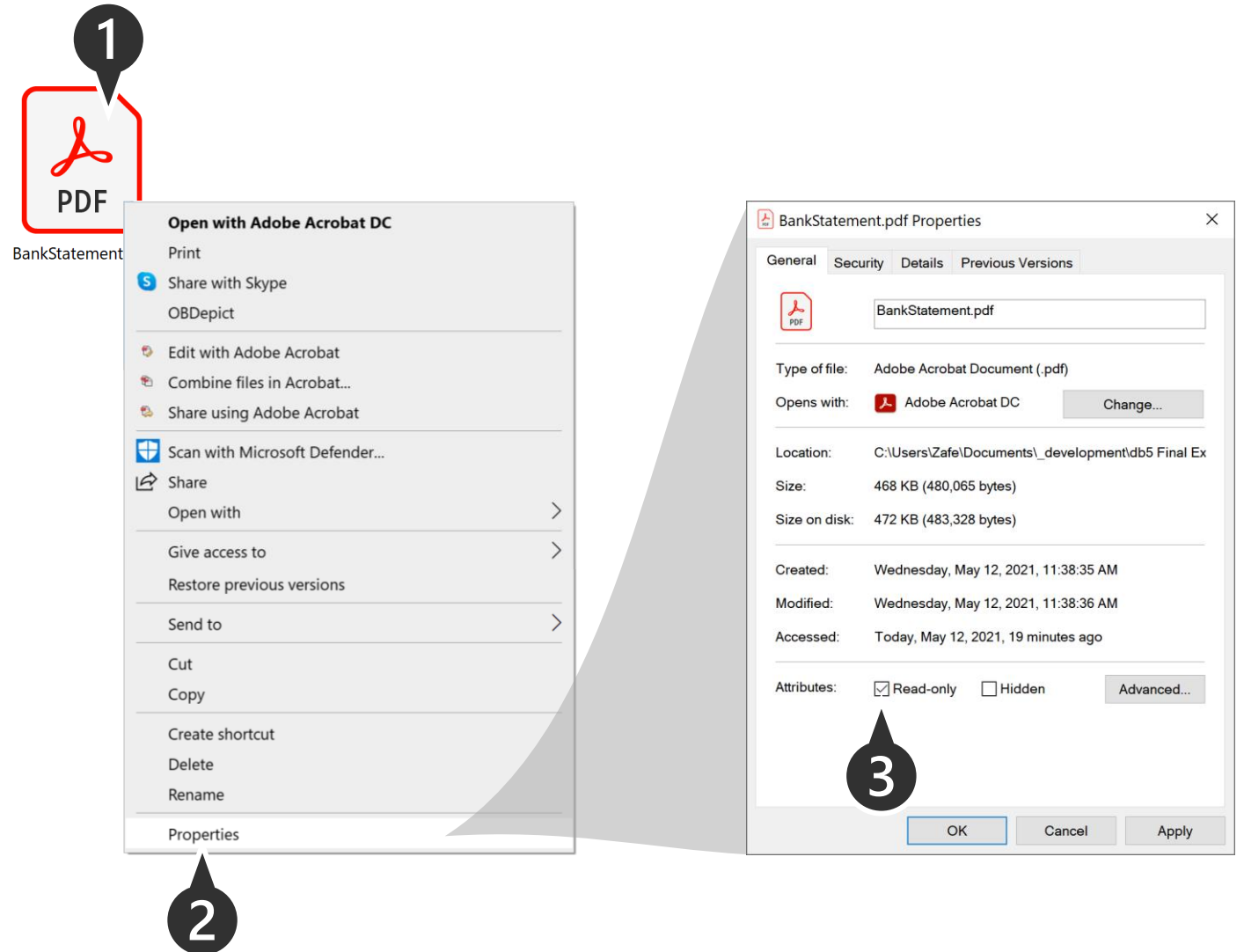


Unable to Load Files!

Things to Check...

Is the file's attributes property set to **“Read-Only”**?

1. Right-click the **filename**
2. Click **“Properties”**
3. If the “Read-Only” Attribute is checked, **uncheck it, then reload.**



Unable to Load Files!

Things to Check...

Is the file secured or password protected? How to check,

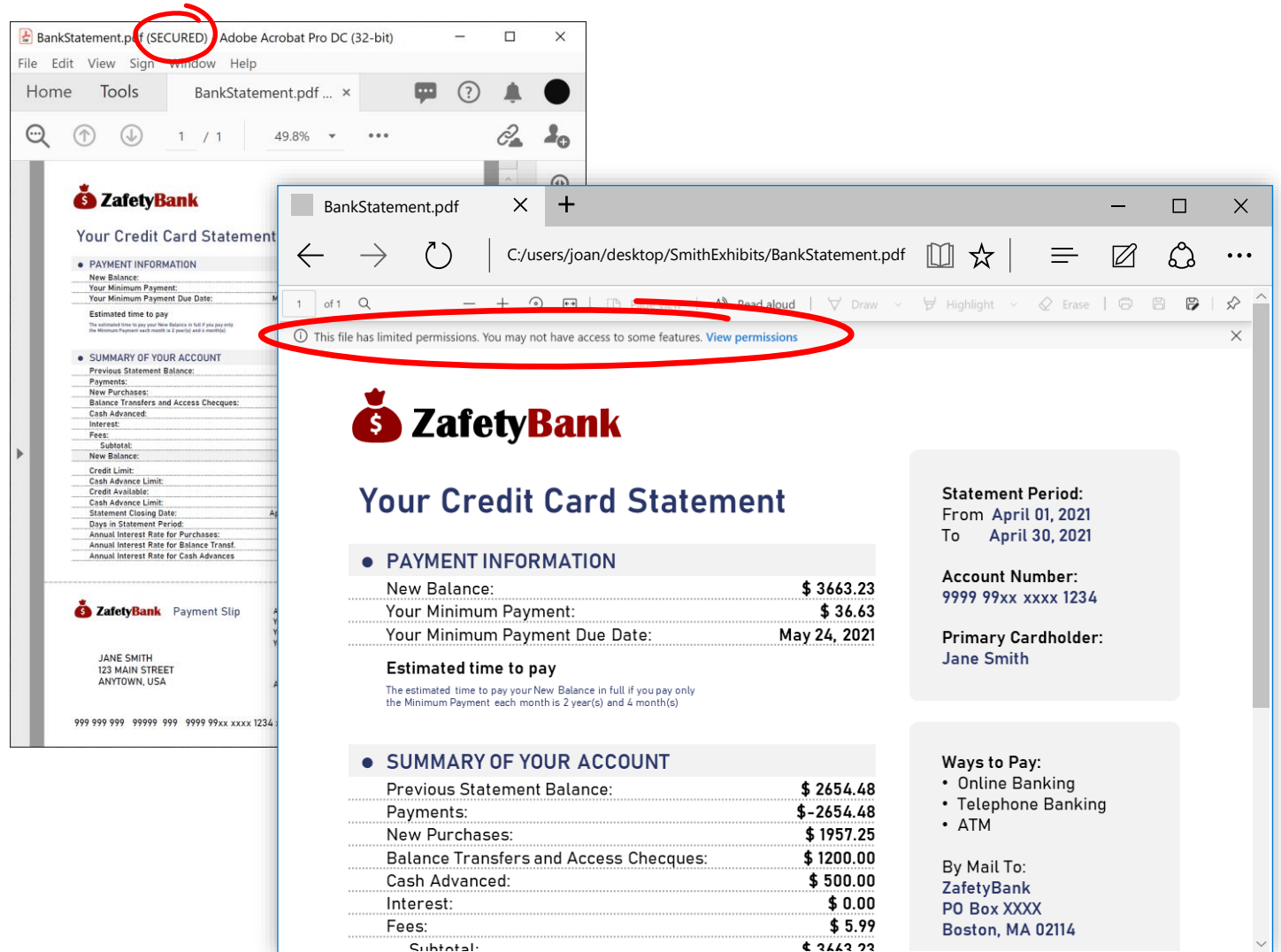
In Adobe Acrobat:

Do you see “**(SECURED),**” as circled?

In Microsoft Edge Browser:

Do you see the warning, as circled?

If so...



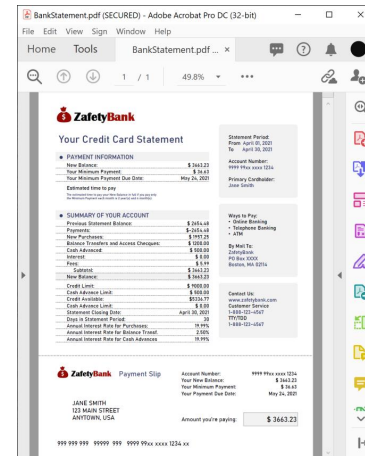
Unable to Load Files!

Things to Check...

...we have to remove the security from the file. A few things to try:

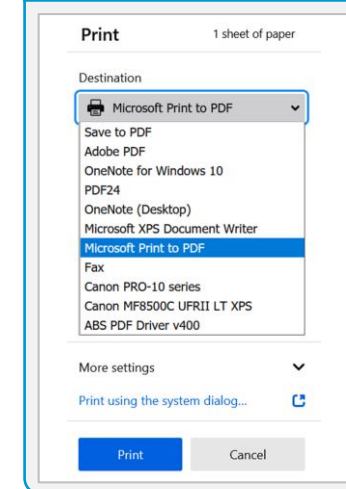
1. Try a free PDF unlocking service online, or
2. Reprint your 'locked' PDF to a NEW PDF using your computers built in PDF printer.

BankStatement.pdf (SECURED)

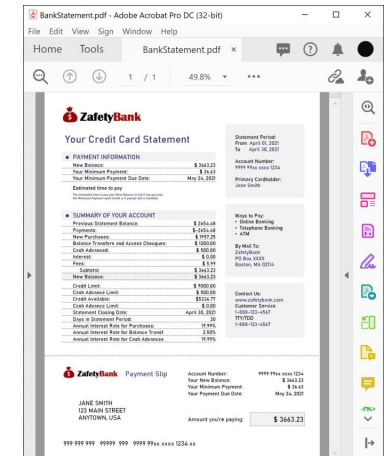


Online unlocking tool

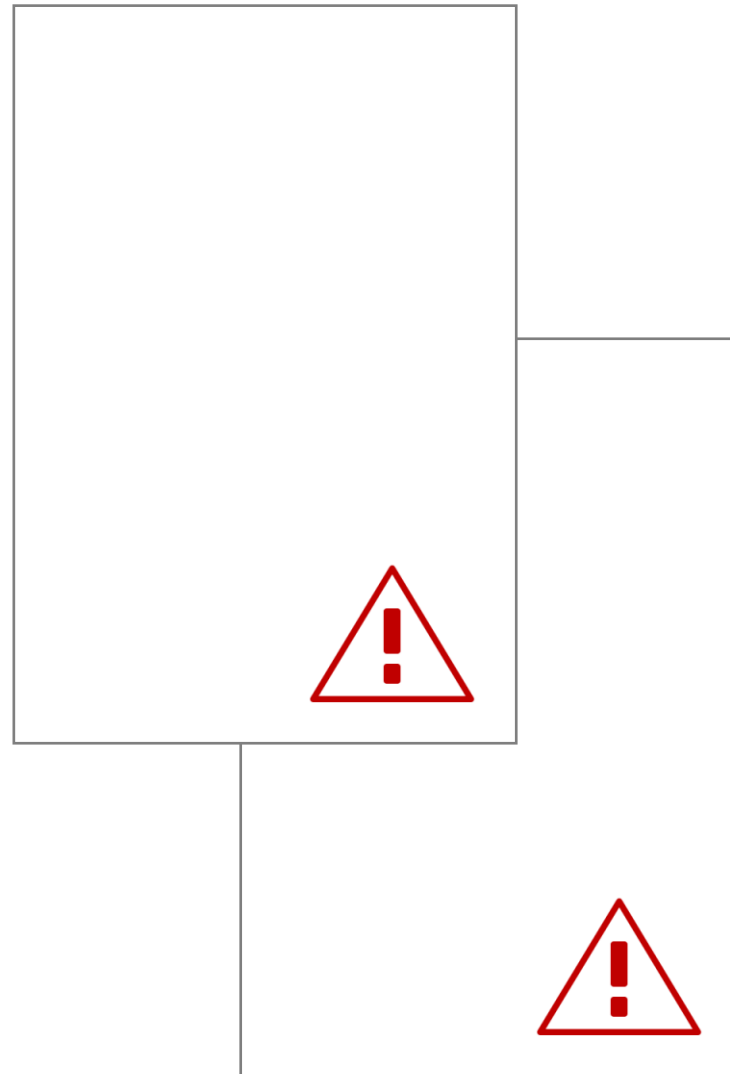
Reprint to another PDF



BankStatement.pdf



Damaged PDFs



Damaged Files!

Import Notification

Did you get the
“**Damaged Files!**” notification?

These are the most frustrating –
- the file may be viewable
in Reader or a Browser but
there exists some corruption,
under the hood.

Things to try...

The screenshot shows the 'Final Exhibits' software interface. On the left is a sidebar with sections for 'Load Exhibits', 'Exhibit Stickers', 'Edit Sticker', 'Place Sticker', 'Resize Pages', 'Pagination', and 'Save Exhibits'. The 'Edit Sticker' section is active, showing a preview of a yellow sticker with the text 'Jones v Smith TRIAL EXHIBIT PTX-001'. Below the preview are input fields for the name, prefix, starting number, and system. The 'Place Sticker' section has radio buttons for 'EVERY Exhibit, at once' (selected) and 'INDIVIDUAL Exhibits, one at a time', with an 'Auto Increment' checkbox. The main area displays a document viewer with a patent document on the left and a bar chart on the right. A 'Damaged Files!' dialog box is overlaid on the main area, containing the following text:

Damaged Files!

The following files appear to be damaged and cannot be imported.

- To fix, please first try simply opening and resaving these files in your PDF application.
- See the "Damaged PDFs" section of the [Reference Guide](#) for additional guidance.
- Additionally, please contact support@doneby5.com with the text in the "Details" section below, and if possible the damaged files.

- P013.pdf

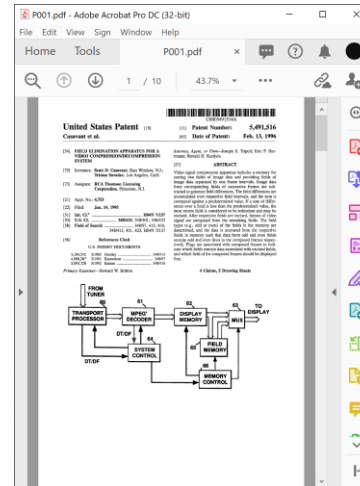
Details >> OK

Damaged Files!

Things to Check...

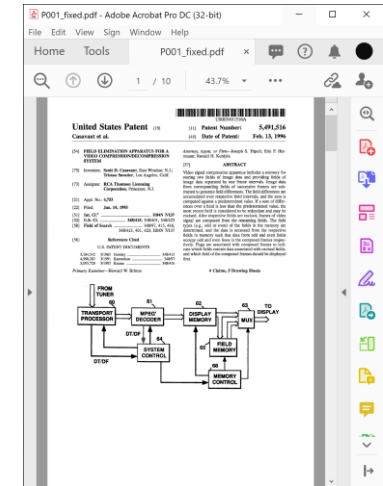
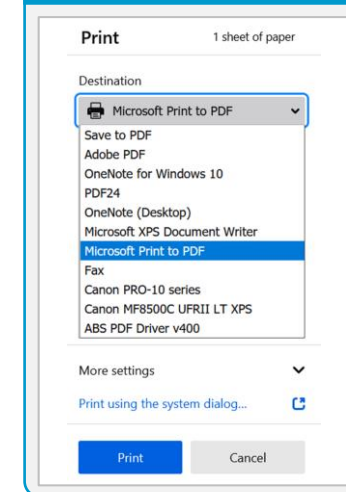
...we have to flush out the corruption from the file.
A couple things to try:

1. Try a free PDF-repair service online, or
2. Reprint your 'damaged' PDF to a NEW PDF using your computers built in PDF printer.



Online repair tool

Reprint to another PDF

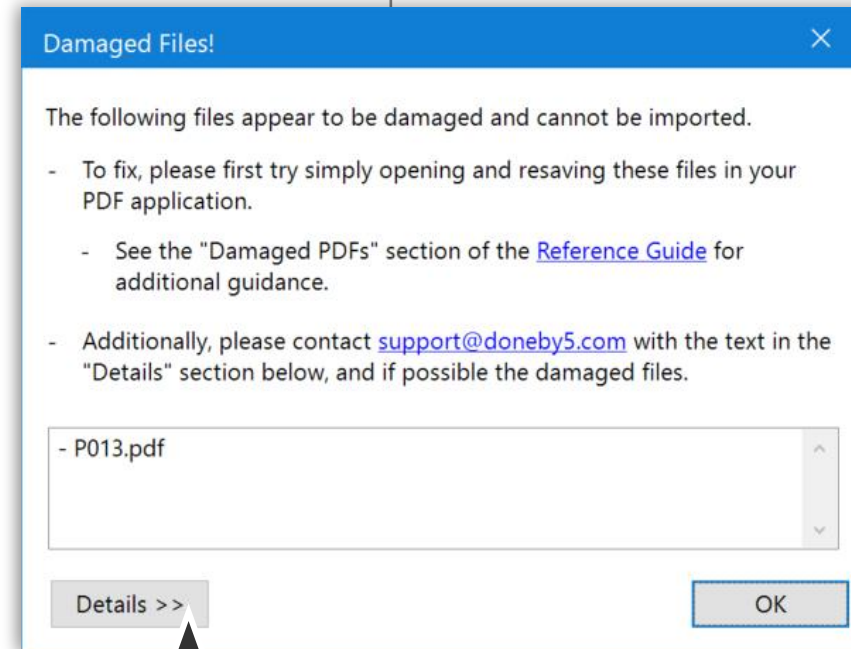


Damaged Files!

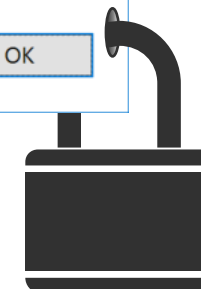
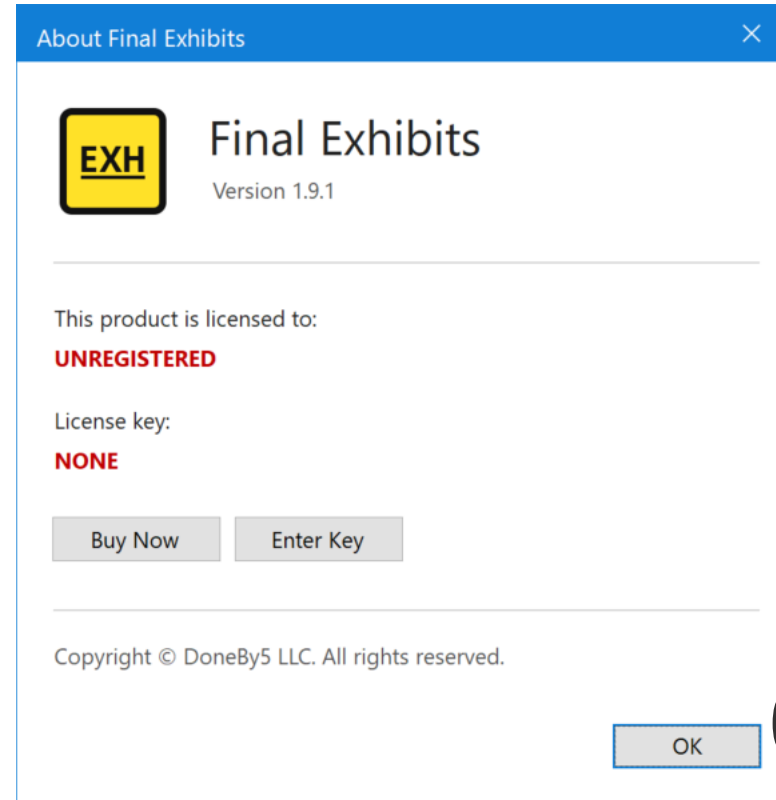
Import Notification

Your schedule permitting, we would still like to investigate the specifics of your damaged files.

1. Please contact support@doneby5.com with a copy of the text under **“Details”**, and where possible the damaged PDFs.



Activation & Deactivation



Activate Final Exhibits

Get the Full Version

The Trial Version of Final Exhibits saves your exhibit stickers with a watermark-backslash. To save without the backslash, please purchase a license at www.doneby5.com/Pricing.html

A license name and activation key will be emailed to you.

To enter the activation key:

1. Click **“About”**
2. Click **“Enter Key”**

The screenshot shows the 'Final Exhibits' software interface. The main window displays a document with a patent and a bar chart. The 'About Final Exhibits' dialog box is open, showing the EXH logo, 'Final Exhibits Version 1.9.1', and the license status 'UNREGISTERED'. The license key is 'NONE'. There are buttons for 'Buy Now' and 'Enter Key'. A callout bubble with the number '2' points to the 'Enter Key' button. In the main software interface, a callout bubble with the number '1' points to the 'About' button in the bottom right corner.

Transfer Your License “Deactivating”

If you would like to transfer your license to another computer:

1. Click **“About”**
2. Click **“Deactivate”**

Your license is now ready to be activated on another computer.

The screenshot displays the Final Exhibits software interface. The main window shows a list of exhibit stickers, with one selected: "Jones v Smith TRIAL EXHIBIT PTX-001". The "Save Exhibits" button is highlighted with a red circle and the number "1". An "About" dialog box is open in the foreground, showing the EXH logo, the product name "Final Exhibits", and the version "Version 1.9.4". The dialog box contains the text "This product is licensed to: DoneBy5" and "License key: [REDACTED]". A red circle with the number "2" is placed over the "Deactivate" button in the dialog box. The "OK" button is also visible at the bottom right of the dialog box. The background shows a document viewer with a patent document and a bar chart.

Final Exhibits Reference Guide

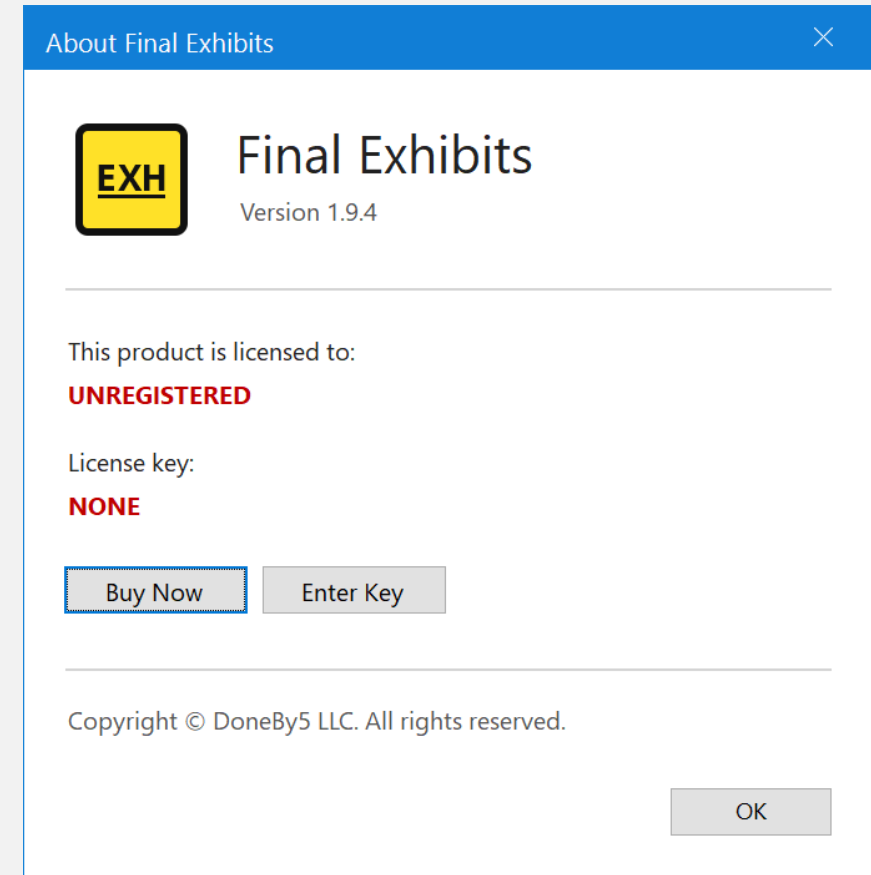
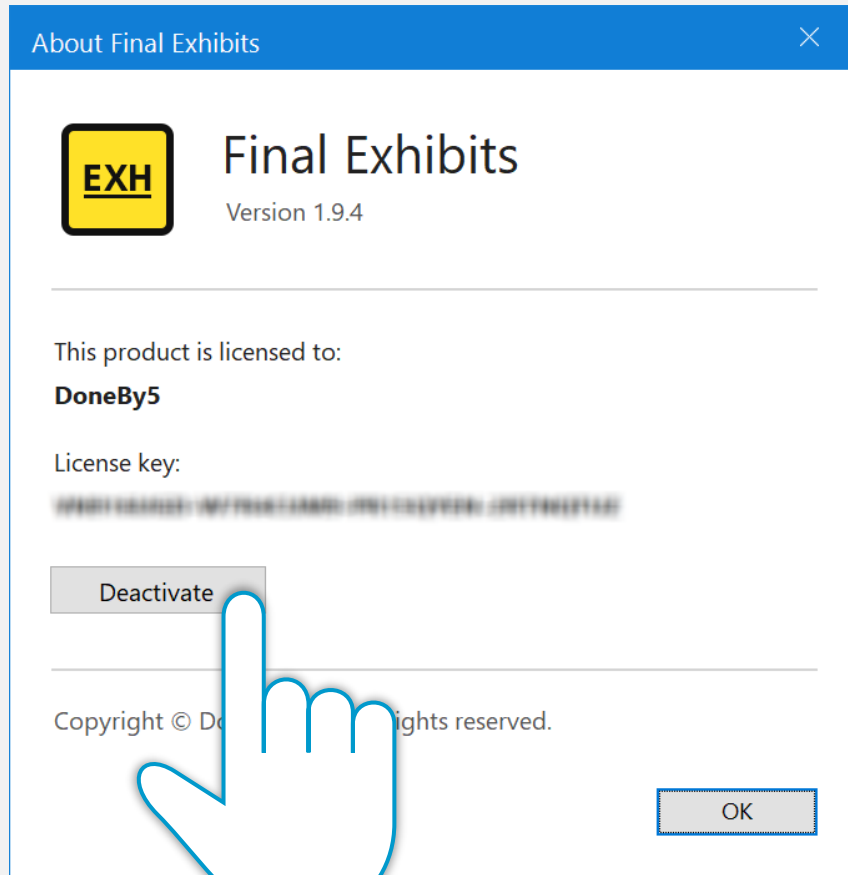
Version 1.9.4

New Features Summary

Version 1.9.4

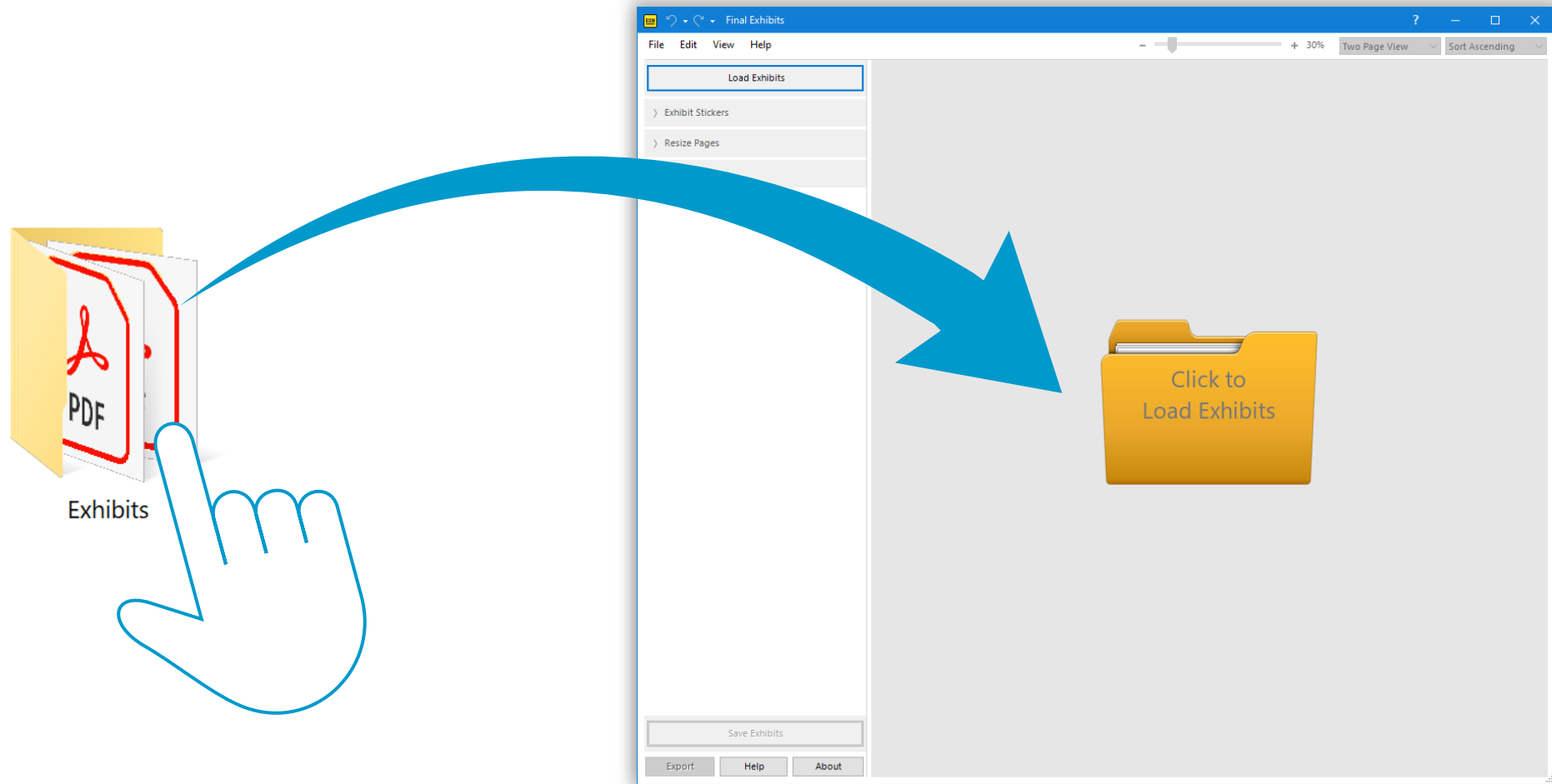
Deactivate License

Releasing License For Activation On Another Computer..



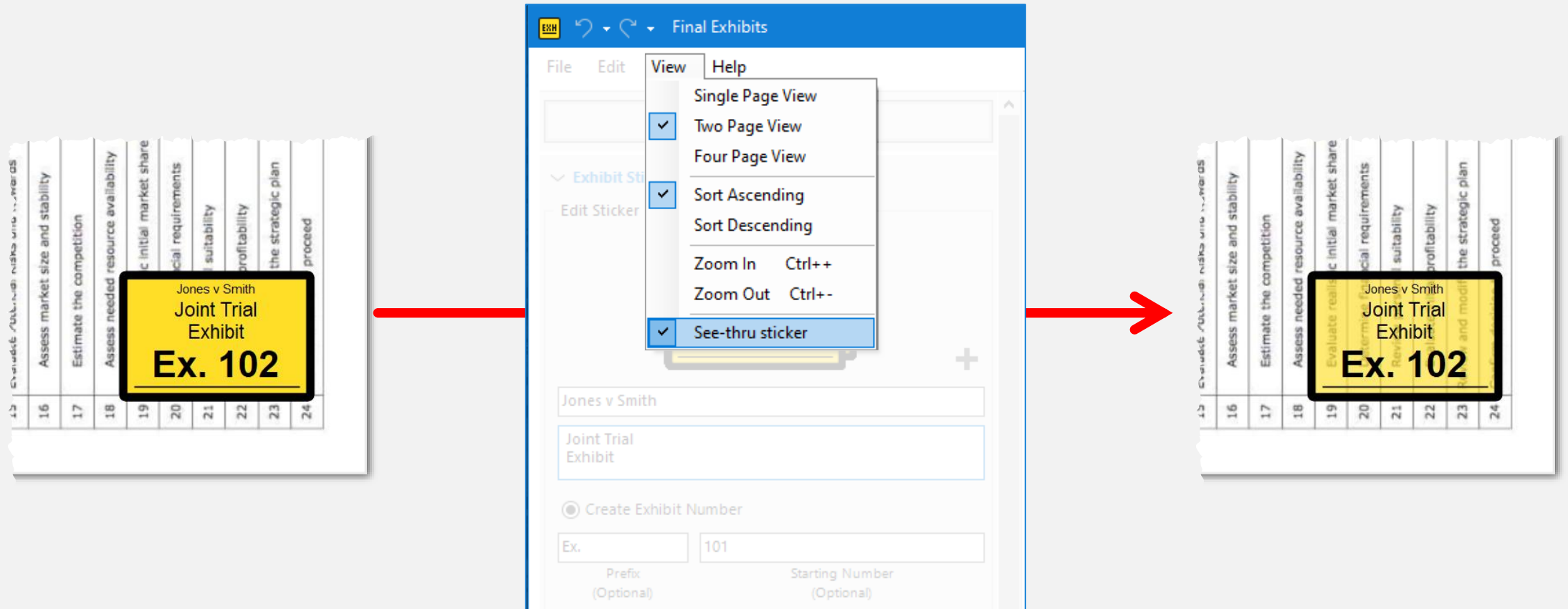
Loading Exhibits

Drag-n-Drop an Entire Folder...



Stickers

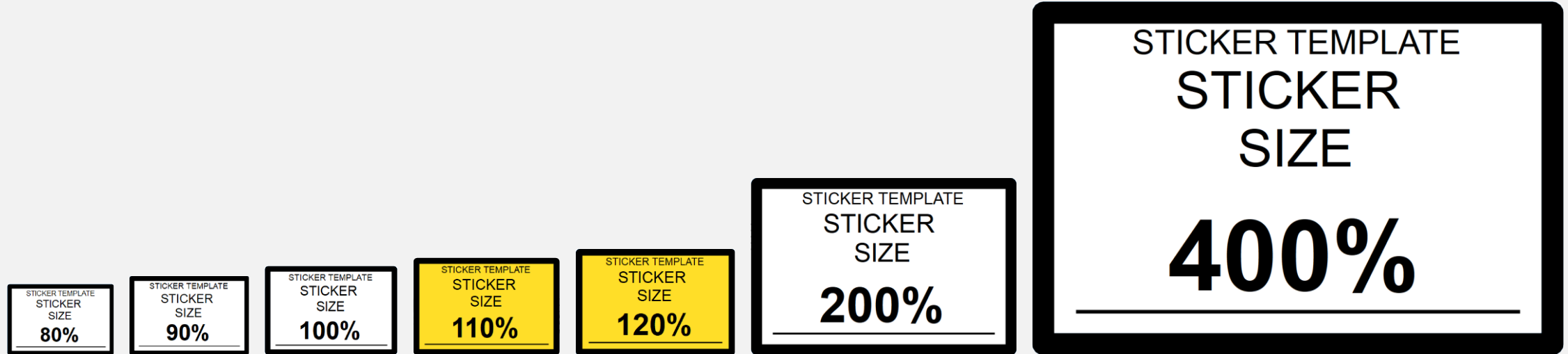
Semi-Transparent Stickers for Reviewing Placement...*



* PDFs do not save with semi-transparent stickers – this is solely for ease of reviewing their placement in Final Exhibits.

Stickers

Two Additional Sticker Sizes (110% and 120%)

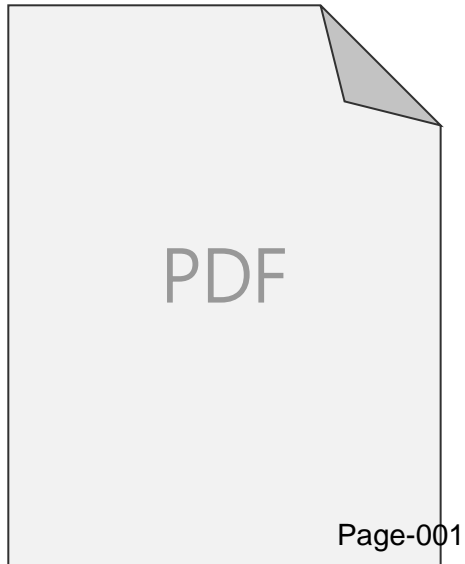


**NEW, SLIGHTLY LARGER
STICKERS CAN BE USED
TO COVER UP
EXISTING STICKERS**

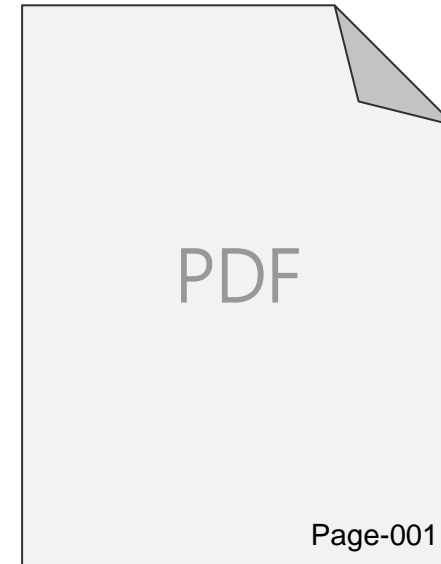
Pagination

Shifting Pagination Addressed...

Currently



Updated: paginations occasionally shifting to right, or even off the page during save, have been addressed



Pagination

Starting-Prefix Auto-Increment Now Behaves as Expected...

▼ **Pagination**

Page Numbers

PAGE 1-0001

+

Create Page Number

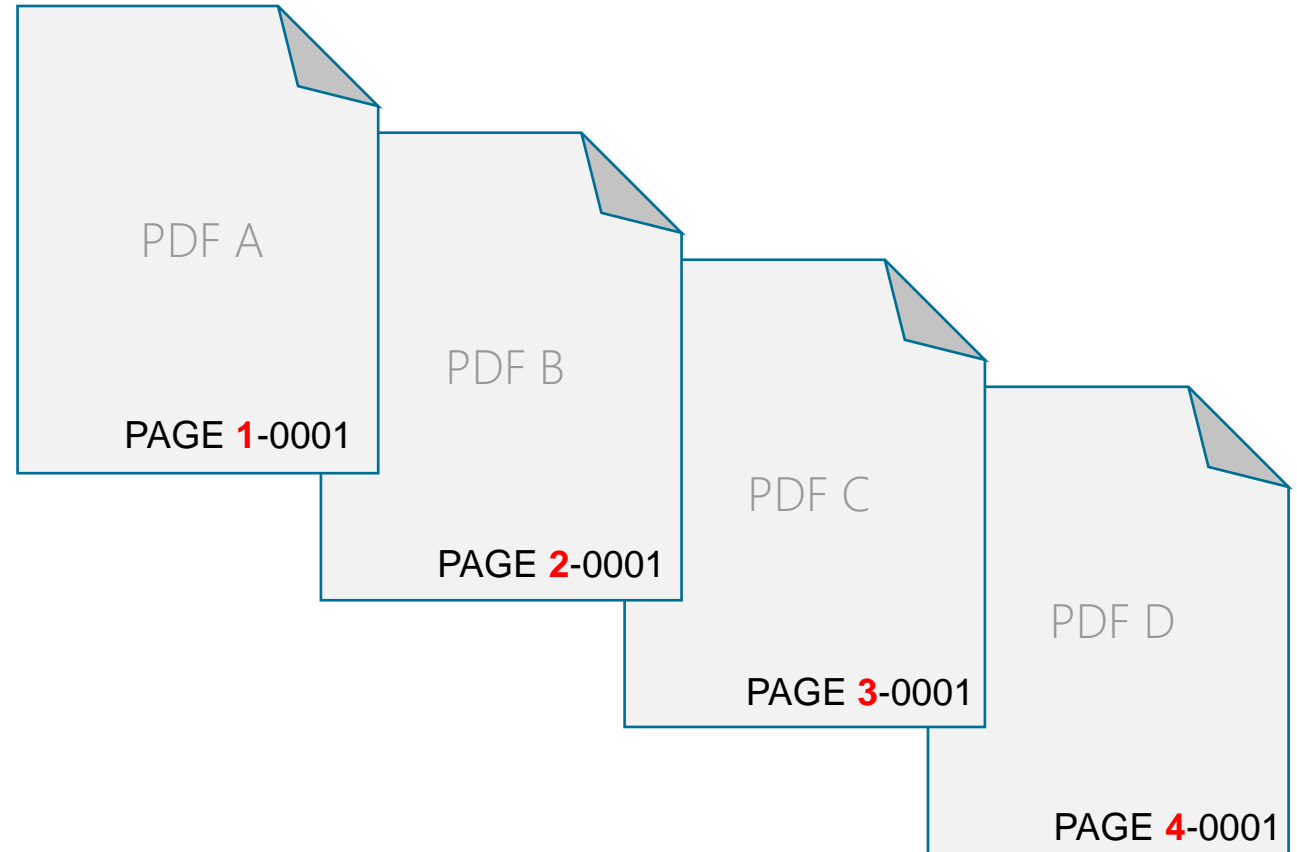
option

PAGE	1	-	0001
Prefix	Starting Prefix Number or Letter	Spacer	Starting Page Number

Auto Increment Starting Prefix Numbers or Letters

A,B..AA,BB

System



Pagination

Swapping the Number for a Letter, Creates Prefix "Letters"...

▼ **Pagination**

Page Numbers

PAGE A-0001

+

Create Page Number

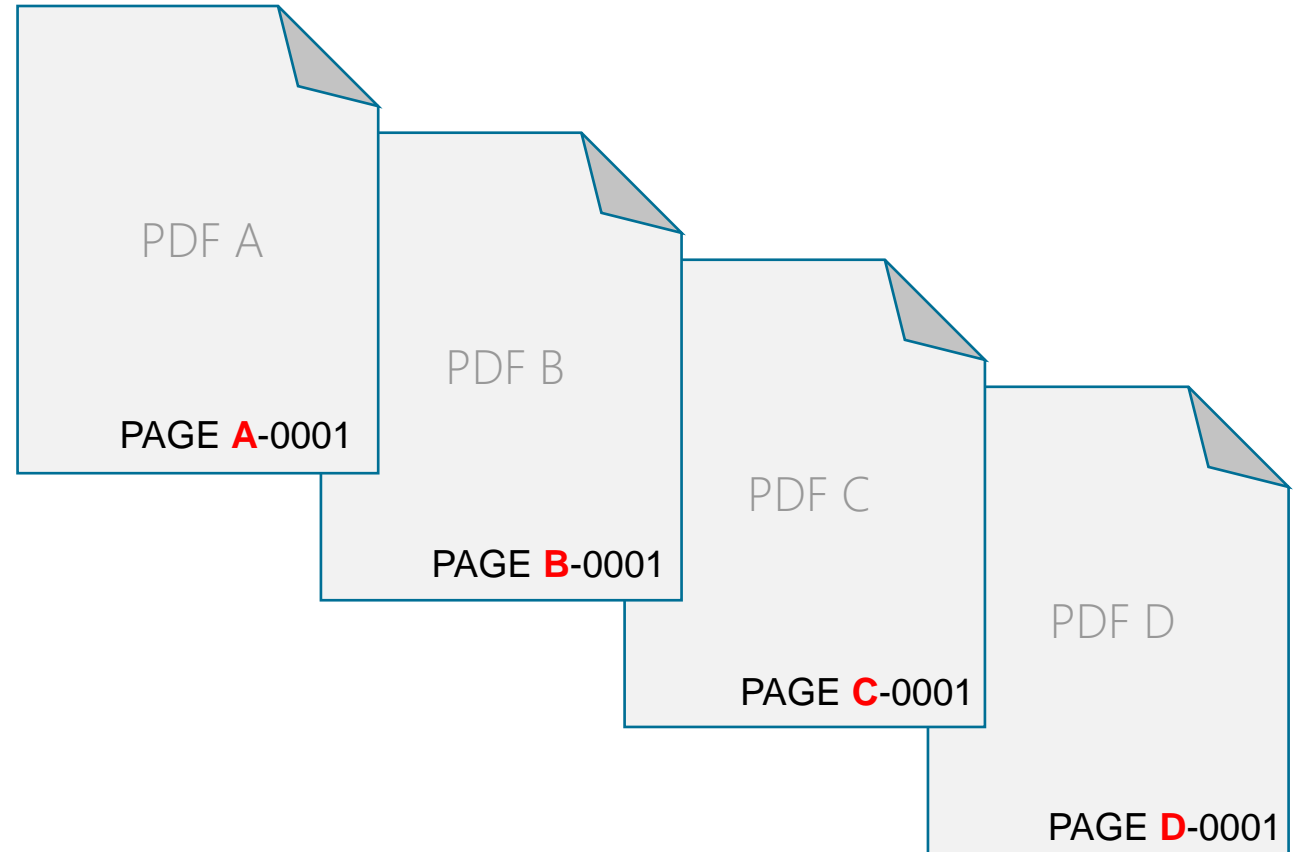
option

PAGE	A	-	0001
Prefix	Starting Prefix Number or Letter	Spacer	Starting Page Number

Auto Increment Starting Prefix Numbers or Letters

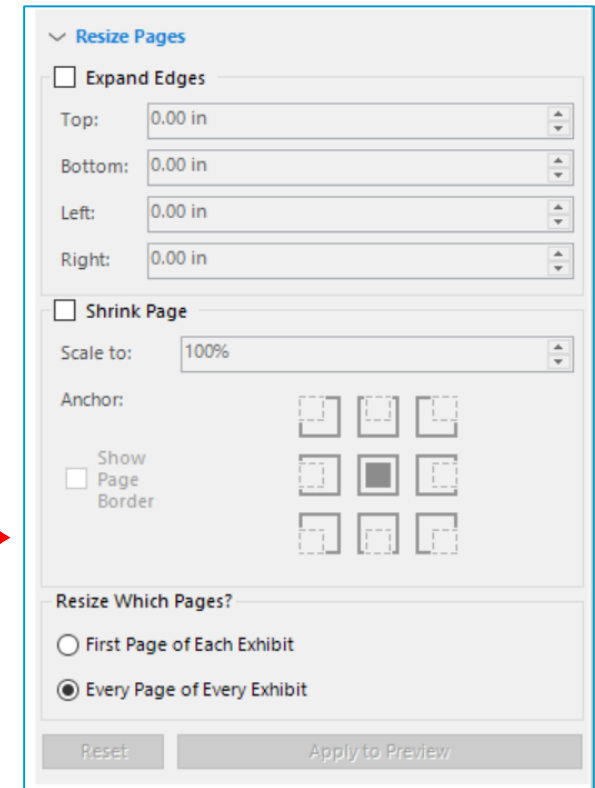
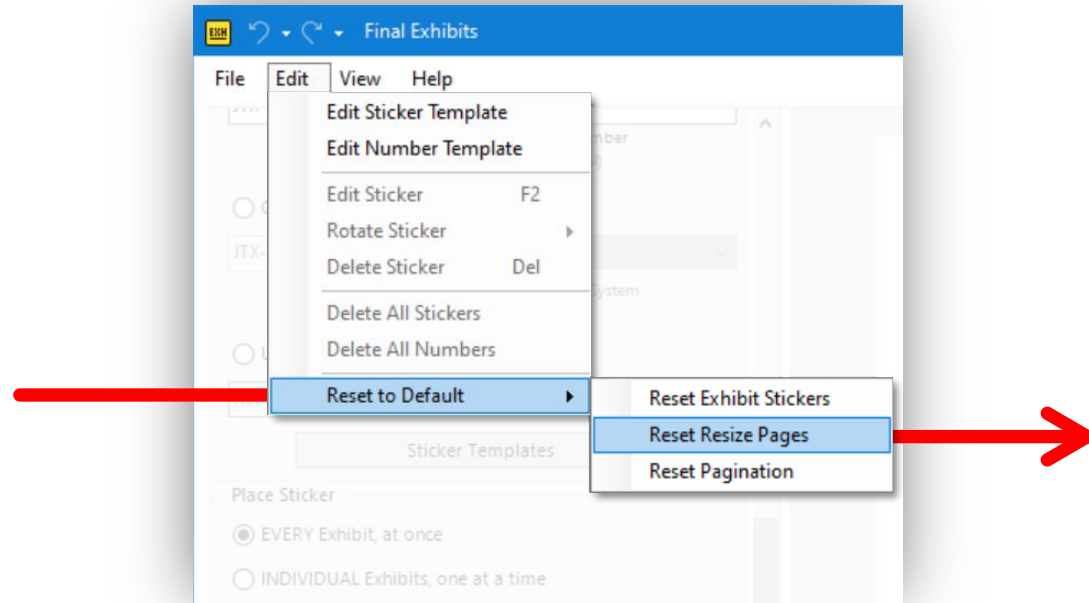
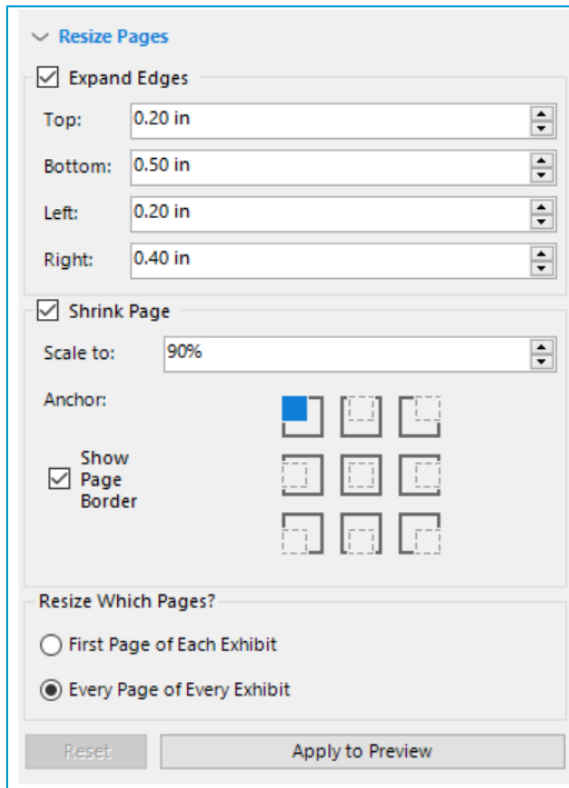
A,B..AA,BB

System



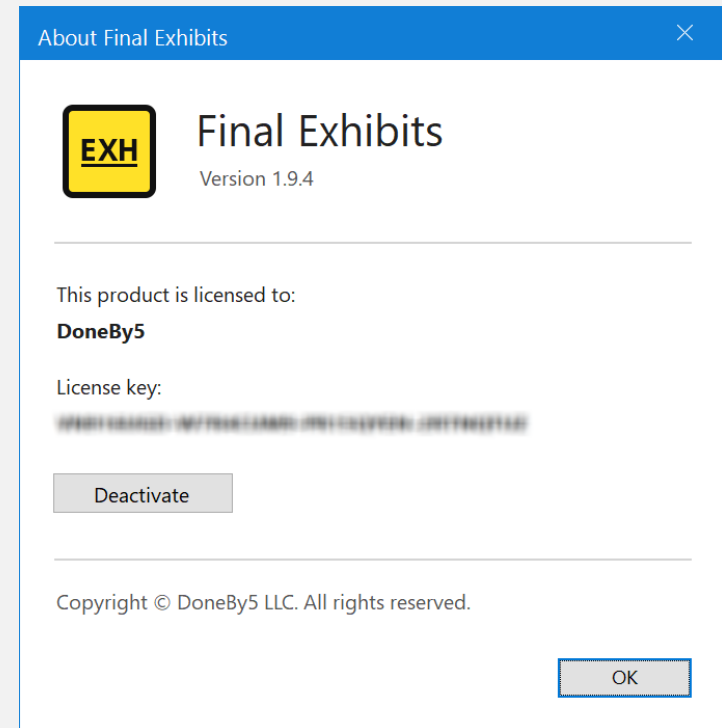
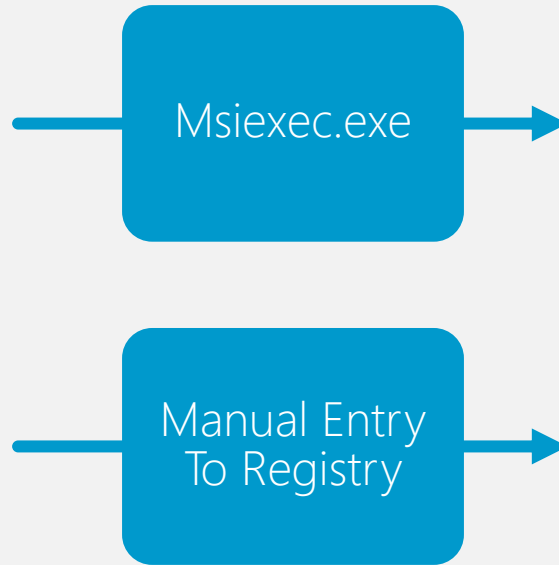
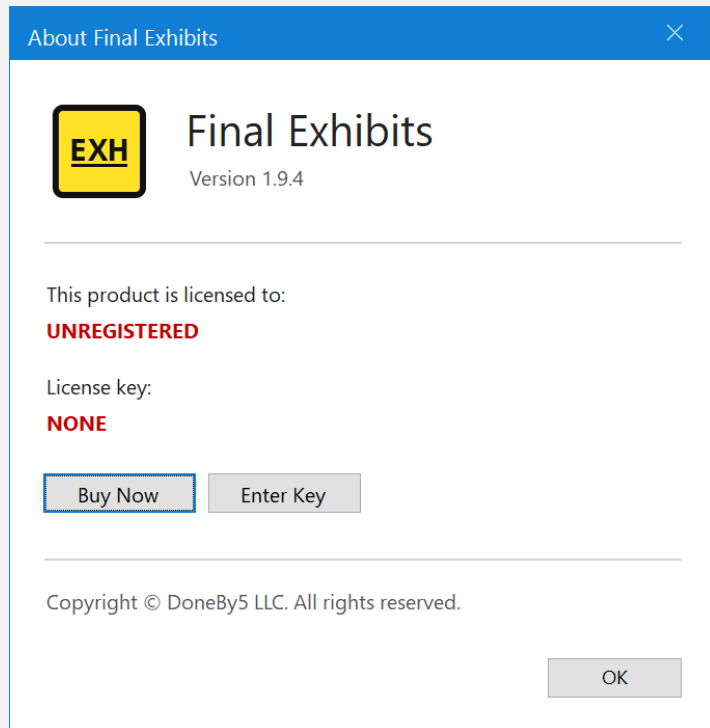
Reset to Default

Returning Fields to Default Values...



Enterprise Licensing for Site Licenses

Two Methods of Automating Your Activations*



* If you are interested in activating using above methods,
write us at support@doneby5.com