

Patomate™ User Guide

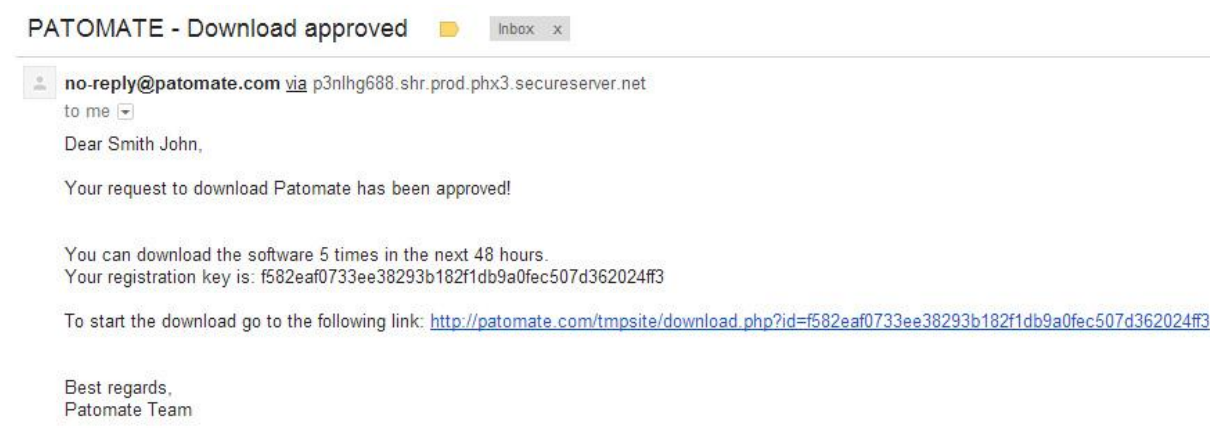
What is Patomate™?

Patomate™ is a software tool that helps user in the process of creating patents by analyzing the source documents and checking them against USPTO rules such as:

- Ascertain matching figure numbers and drawing identifiers between the Text and Drawings
- Check adherence of Drawings to USPTO Rules
- Check adherence of Specifications to USPTO Rules
- Apply Language Rules and highlight potentially problematic language

Getting Patomate™

In order to get a free version of Patomate™ for your personal use, you will need to register on the <http://www.patomate.com/register.php> website. You will have to fill in a short registration form and submit it for approval. Once your registration is approved, you will receive a confirmation email such as in the example below:



Patomate™ is a registered trademark of Monolithic 3D S.A.

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The email will include the download link and your unique registration key. You will be informed of the number of times you can download the software and the duration the link will be valid.

System requirements

- Windows XP or newer
- Java 6 or newer
- Microsoft Word 2007 or newer
- 2 GB of RAM or more

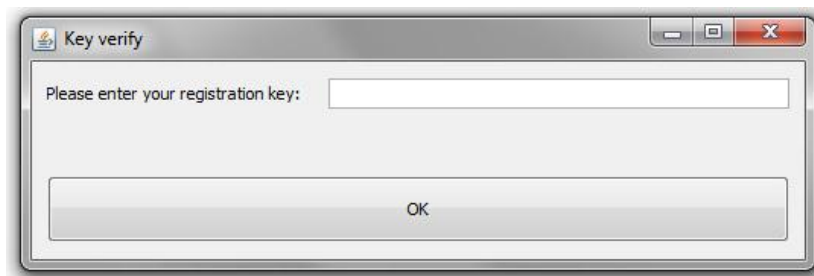
Getting started

Patomate™ is a simple redistributable application; it doesn't require installation and is ready to run as-is after unzipping into a target directory. The binary redistribution contains:

- **Patenter.jar** - the Java executable
- **lib** - the directory that contains all the libraries needed by the application
- **doc** - the directory that contains the documentation for the application
- **README.TXT** - instructions for first run

Remember to unzip the downloaded file into a target directory first!

To start the application, simply start (via double-click) Patenter.jar. On the first run a window will appear where you will need to enter the registration key provided to you by email when you registered.



After you click OK button, if the registration key is correct, the main window will appear.

The main interface between the user and the application, where all major settings are made, is displayed in Figure 1 below:

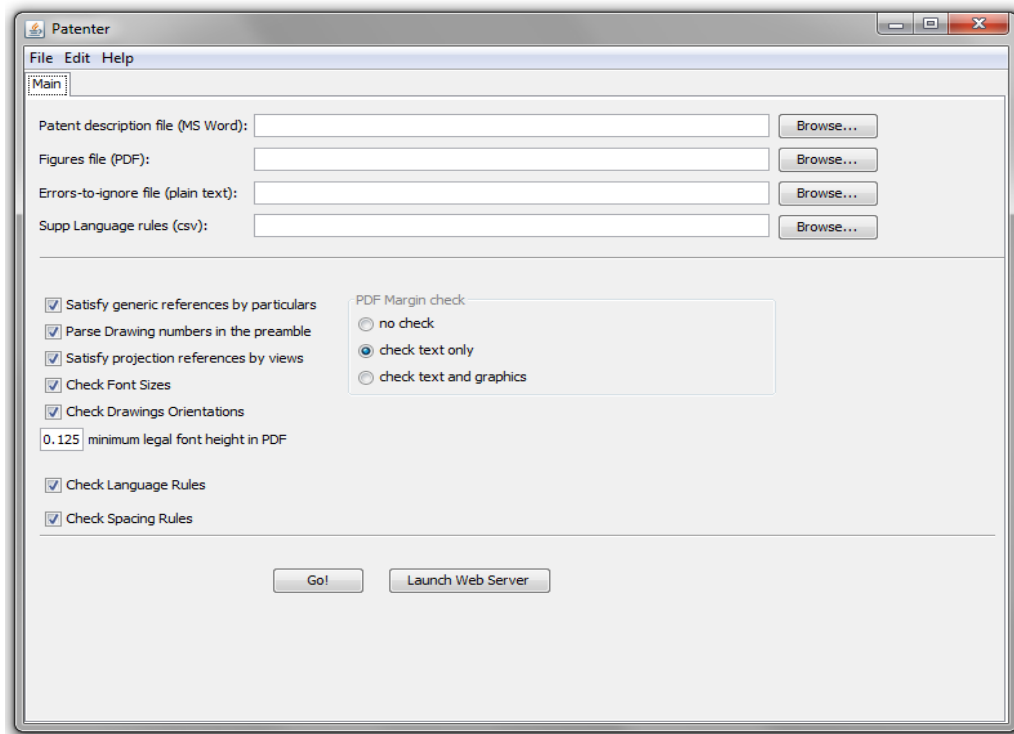


Figure 1: Patomate main window

To start using the application with its default settings you will have to fill at least the first two fields:

- ✓ Patent description file (MS Word): the full path of the .doc or .docx file holding the patent/disclosure description
- ✓ Figures file (PDF): the full path of the .pdf file holding the drawings image

After that, click on the "Go!" button. Patomate™ will load the two documents and analyze them with default settings. When the analysis is finished, a list of errors will be generated and displayed in the window that will pop up.

Patomate™ main window

File selection fields:

- *Patent description file (MS Word)*: the full path of the .doc or .docx file holding the patent/disclosure description.
- *Figures file (PDF)*: the full path of the .pdf file holding the drawings image.
- *Errors-to-ignore file (plain text)*: the full path of the text file holding the errors to be ignored. This file can be generated by the program and reused on subsequent runs.
- *Supp Language rules (csv)*: the full path to the csv file containing a list of forbidden text rules. The format of this file is described below:

Word that causes a warning	Potential replacement	Reason
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Other settings:

- *Satisfy generic references by particulars*: When searching for missing required references, treat a reference to a "generic" figure name as being satisfied by a particular name. Example: "Fig. 2A" in Brief Description Area is considered a valid definition for "Fig. 2" in Main Content Area with the checkbox on;
- *Parse Drawing numbers in the preamble*: whether to check the generated figure numbers for preexistence in the set;
- *Satisfy projection references by views*: whether to satisfy, for example, a reference to "101K2" by "101K";
- *Check Font Sizes*: whether to check font sizes in the PDF file;
- *Check Drawings Orientations*: whether to check drawings orientations in the PDF file; Includes checking whether all the drawings have the same orientation between themselves and relative to the legend;
- *minimum legal font height in PDF*: the minimum font height (in inches) in the PDF file which will not trigger a "text font too small" error generation;
- *Check Language Rules*: run "Language Rules", e.g. scanning the patent text for forbidden text;

- *Check Spacing Rules*: check the spacing rules in the patent text. Only works on DOC and DOCX files;
- *PDF Margin check*: do not check (no checking for margin rules); check text only (only checking for text violating the margin - reasonably effective and fast); check text and graphics (check both text and graphics for margin violation)

Patent Error Viewer

The Patent Error Viewer is the interface of Patomate™ where all the errors found are displayed in a user friendly style. Errors are grouped into four main categories: "Reference Numbers in Specification and Drawings", "Drawing Rules", "Spec Rules" and "Language Rules". Figure 2 below shows an example of the main window.

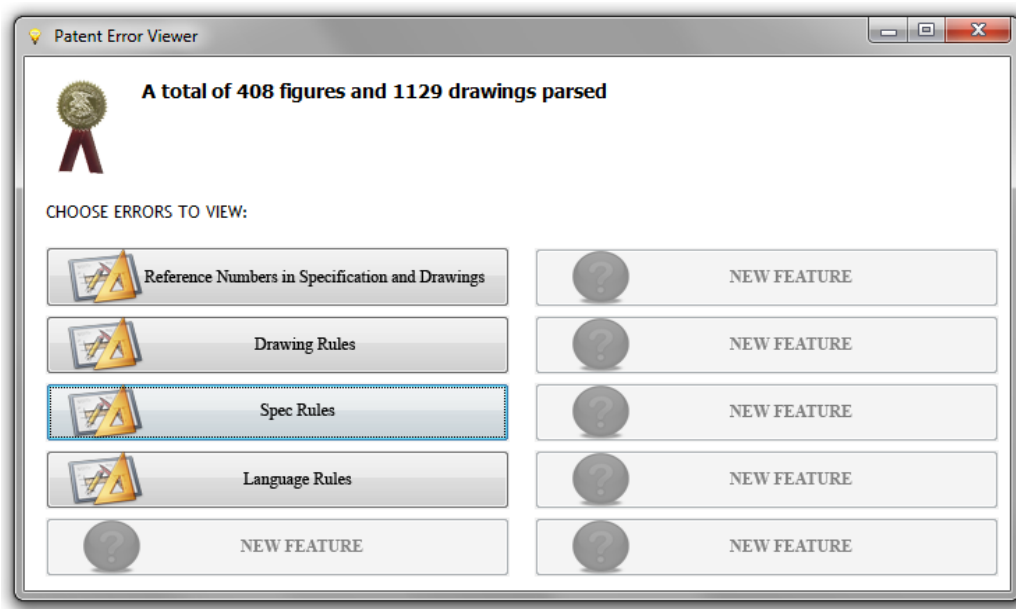


Figure 2: Patent Error Viewer main window

The first message in the window displays how many figures and drawings were analyzed from the Word and PDF files. Clicking on a button associated with one of the categories will cause an Error List window, such as in Figure 3 below, to be displayed, showing all the errors for that category.

Error List window

At the top of the Error List window there are two dropdown lists where one can filter the displayed errors, either by error type or by page number in the PDF document.

Next is the table with the list of errors that were found. Each error is composed of two fields: an ID and a short description. One can sort the table by either of the fields through clicking on the header of the column on which one wants to do the sorting.

Clicking on any particular error row will show a more detailed description at the lower part of the window.

The "Ignore error" button at the bottom of the window allows ignoring the currently selected error, which will be eliminated from the error list. This is particularly useful for suppressing spurious errors, such as dates being interpreted as drawing identifiers, for subsequent runs of Patomate™. The "Show Ignored Errors" checkbox restores displaying all errors from the current category, including those that were marked to be ignored.

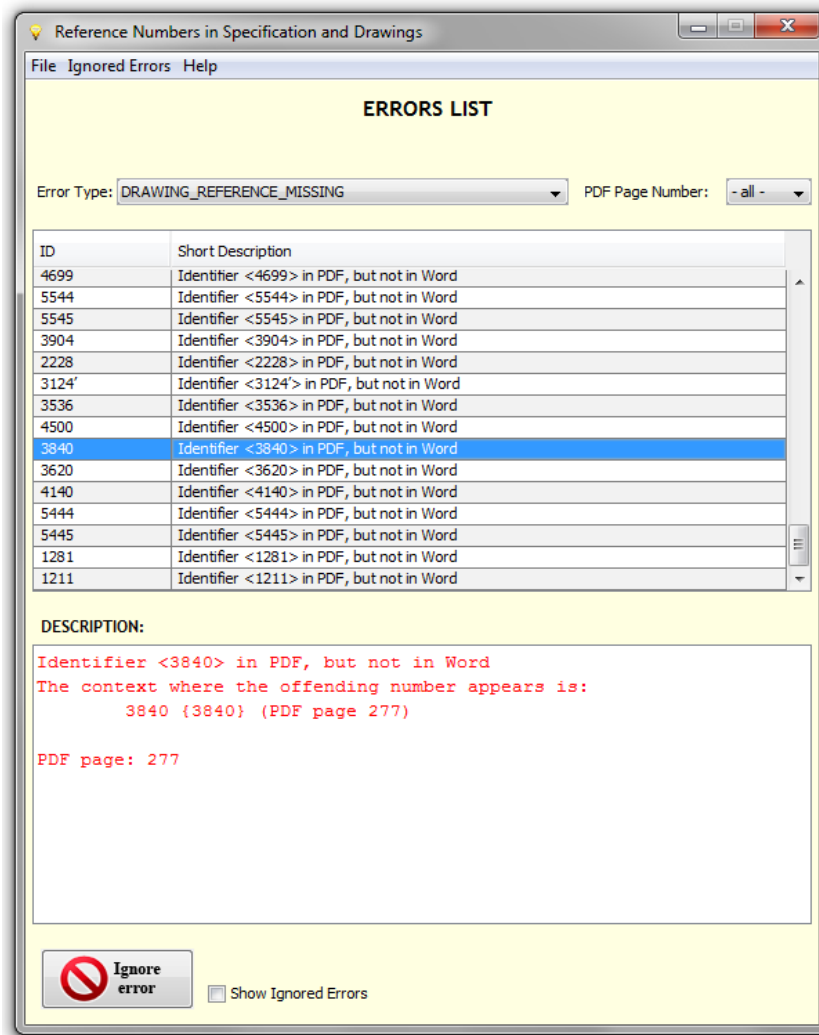


Figure 3: Error List window

Selecting an error

Selecting an error from the table shows a more detailed description below the error list. If the source of the error comes from the Word document, an instance of Microsoft Word is opened and the section where the error occurred is highlighted, as shown in Figure 4.

be controlled by one or more control signals in parallel. Similarly, the error signal generators (e.g., XOR gates 12114 and 12124 in Fig. 121A and 12416 and 7826 in Fig. 124) and any circuitry needed to read them (e.g., coupling them to the scan flip-flops) or

Figure 4: Error highlighting in Word document

If the source of the selected error comes from the PDF document, a new window is opened and the page where the error occurred is displayed. The section with the error is highlighted for easy identification, as seen in Figure 5.

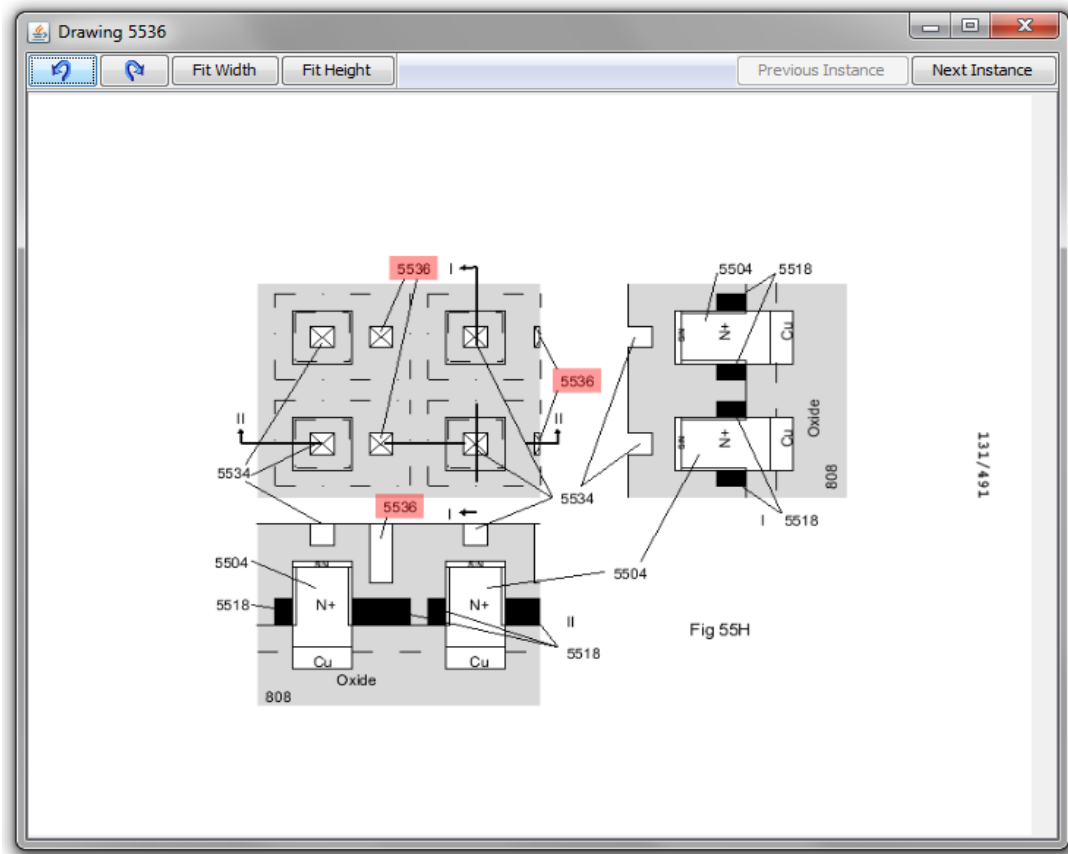


Figure 5: Error highlighting in PDF page.

First two buttons from the top left allow rotation of the page counter-clockwise or clockwise to get it into a visually convenient orientation.

Fit Width and *Fit Height* buttons allow resizing the page to fit its width or height to the window.

Previous Instance and *Next Instance* allow moving the next or previous page where the problem drawing identifier appears. These buttons are active only when multiple drawings include the problem identifier.

Suppressing and enabling error display

When an error is selected and removed from the error list by clicking the *Ignore Error* button at the bottom of the error list window, it is added to Patomate's internal list of errors to ignore. This list is persistent, and it will be saved into a file when Patomate™ is terminated. On subsequent runs of Patomate™ this list can be re-loaded, avoiding the tedious repeated review of spurious errors.

To display the currently ignored errors one needs to select the *Show Ignored Errors* checkbox. To remove an error from ignore list, one needs to check the *Show Ignored Errors* checkbox, then select the specific error from the list and then select "Remove ignored error" from the *Ignored Errors* pull-down menu item.

To remove all errors from the ignore list select "Remove all ignored errors" from the pull-down *Ignored Errors* menu.

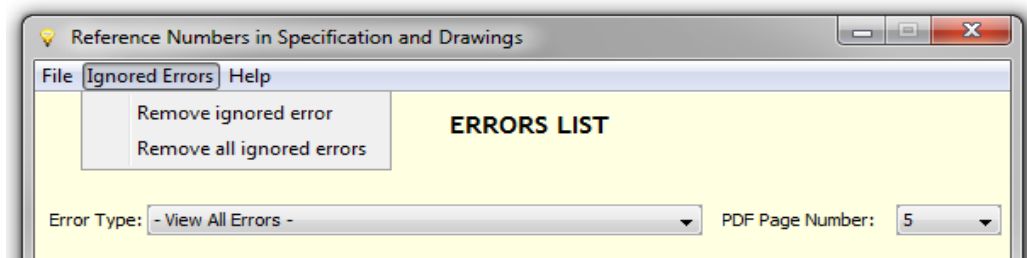


Figure 6: Ignored Errors menu