

# Categorizer.

## Product User Guide

### INTRODUCTION

Categorizer categorizes patent portfolios using a two-step process. In the first step, an AI model is created using a list of training documents. The model created in the first step is used for categorizing patent portfolios in the second step. Multiple AI/ML/NLP algorithms available in the platform for processing technical documents are combined in this tool for providing a highly accurate

# FEATURES & FUNCTIONALITIES

## **Categorization of patent portfolios.**

Categorizer converts your training documents into AI models to better evaluate, categorize and process your technical data without human intervention.

**Model Creation:** This feature creates an AI model for the training set of patent documents uploaded in the platform.

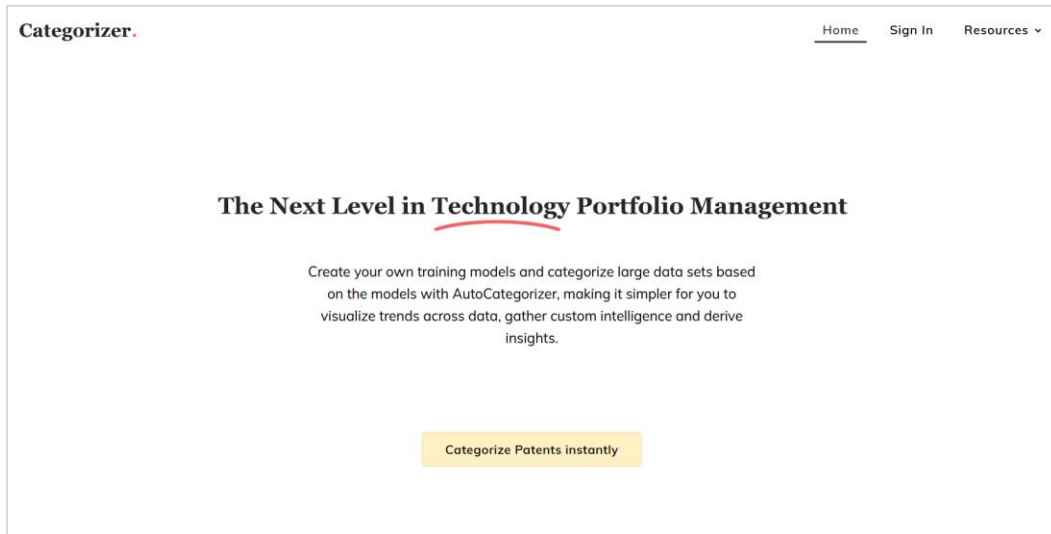
**Patent Categorization:** This feature categorizes the patents via the created model using AI/ML/NLP algorithms available in the platform for processing technical documents.

It is used for deriving insights on the different sections of patent portfolios for the following:

- Manage patent portfolios
- Perform competitive and white-space analysis
- Map new patent portfolios to known categories
- Create training models and categorize enterprise data intelligently

# SPECIFIC STEPS

Sign up to categorize patent datasets with a click.

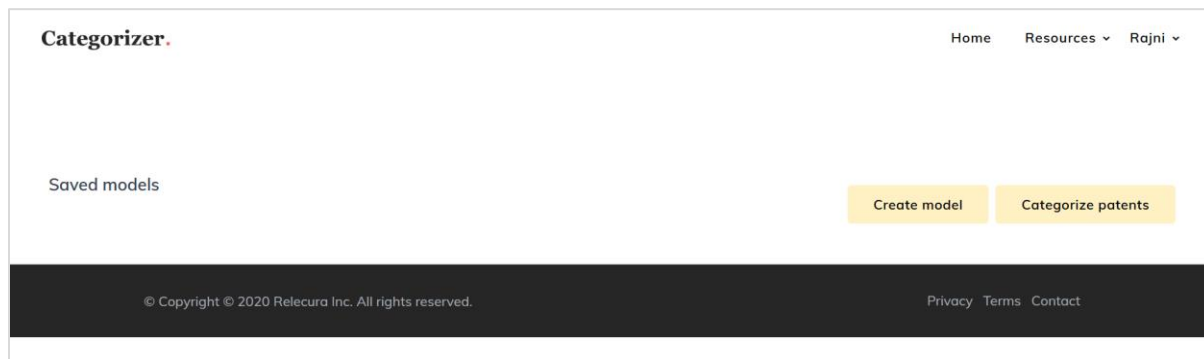


Before you can create a model, you need to create a training set in an excel sheet by selecting control patents from your target dataset for each category that you want to categorize the patents under.

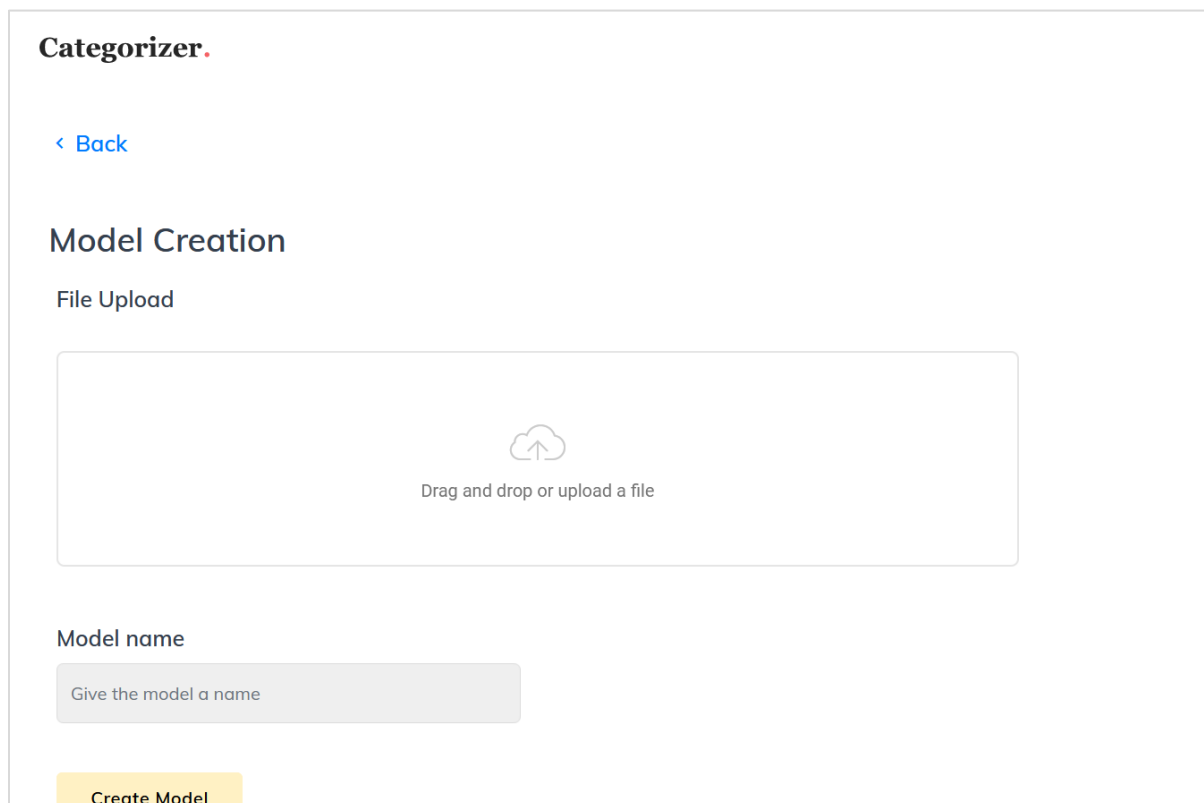
	A	B
16	US8863309B2	Security
17	US8860441B2	Security
18	US8621195B2	Security
19	US9143328B2	Security
20	US9589117B2	Security
21	US8959255B2	Security
22	US7926101B2	Remote Diagnostics
23	US9152826B2	Remote Diagnostics
24	US9026801B2	Remote Diagnostics
25	US7146542B2	Remote Diagnostics
26	US8250413B2	Remote Diagnostics
27	US8832259B1	Remote Diagnostics
28	US6915234B2	Remote Diagnostics
29	US7636584B2	Remote Diagnostics
30	US10089472B2	Remote Diagnostics
31	US9672252B2	Remote Diagnostics
32	US7315962B2	Remote Diagnostics
33	US7278019B2	Remote Diagnostics
34	US10289399B2	Remote Diagnostics
35	US5367667A	Remote Diagnostics
36	US9854024B2	Remote Diagnostics
37	US5257384A	Remote Diagnostics
38	US5367670A	Remote Diagnostics
39	US9405613B2	Remote Diagnostics
40	US9329920B2	Remote Diagnostics
41	US6877027B1	Remote software management
42	US5809251A	Remote software management
43	US5999741A	Remote software management
44	US8539587B2	Remote software management
45	US5881236A	Remote software management
46	US6292890B1	Remote software management
47	US7076496B1	Remote software management
48	US6584477B1	Remote software management
49	US7711953B2	Remote software management
50	US5375068A	Remote software management

While creating the training set, patent numbers should be used with kind code in Relecura patent number format, that is, the format compatible with Relecura database. For instance, US9092189B2, US10089472B2. The training set should include a minimum of 15 to 20 patents in each category.

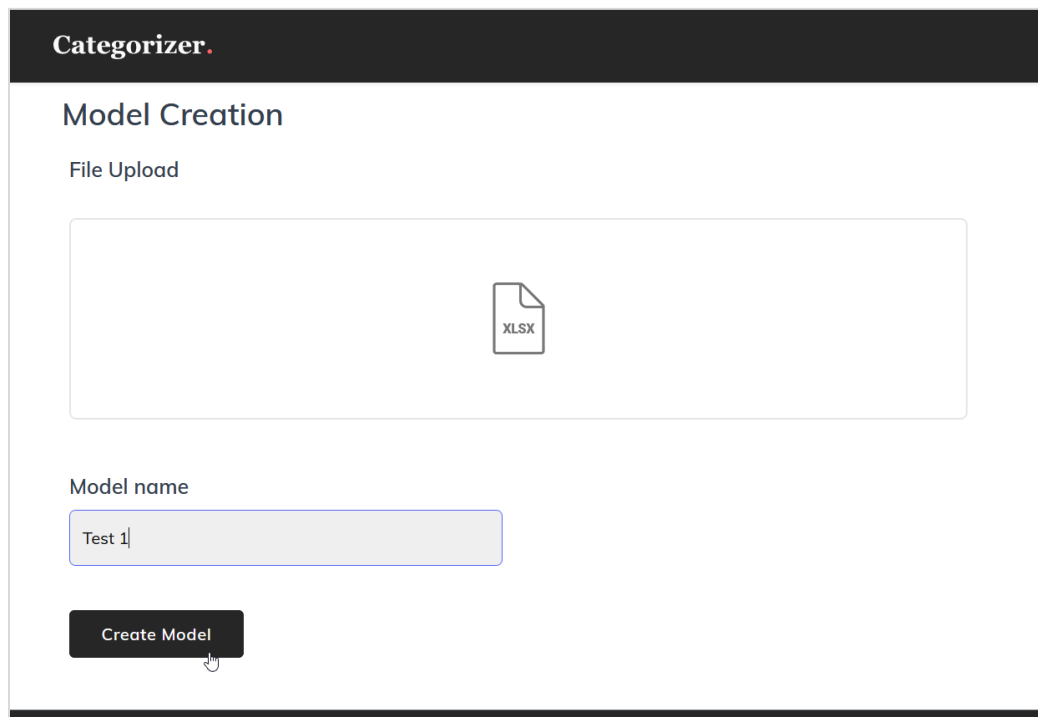
In a single upload, you can add a maximum of 5000 patents. Once you have the training set ready, login to the platform and click on “Create Model”. To categorize the results, first create an AI model based on training set.



Start with “create model” and upload the training set excel sheet.

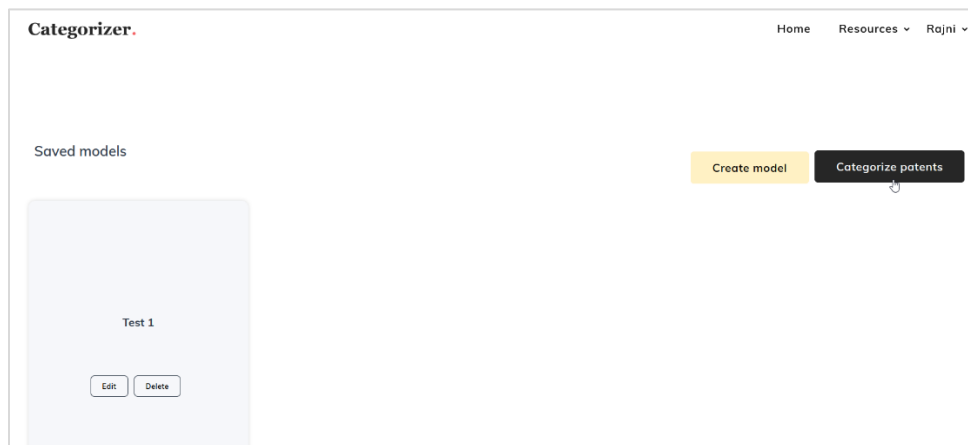


Provide a name to the model and click on “create model”.



The screenshot shows the 'Categorizer' application interface for model creation. At the top, there is a dark header with the text 'Categorizer.'. Below the header, the main section is titled 'Model Creation'. Underneath, there is a 'File Upload' section with a large rectangular area containing a file icon labeled 'XLSX'. Below the file upload area, there is a 'Model name' label followed by a text input field containing the text 'Test 1'. At the bottom of the form, there is a dark button labeled 'Create Model' with a mouse cursor hovering over it.

Once the model is created you can view it in the saved model window.



The screenshot shows the 'Categorizer' application interface for viewing saved models. At the top, there is a dark header with the text 'Categorizer.'. To the right of the header, there are navigation links: 'Home', 'Resources', and 'Rajni'. Below the header, the main section is titled 'Saved models'. On the left side, there is a card representing a saved model with the name 'Test 1' and two buttons: 'Edit' and 'Delete'. On the right side, there are two buttons: 'Create model' and 'Categorize patents', with a mouse cursor hovering over the 'Categorize patents' button.


Go to the categorize patents icon and upload the excel sheet with the list of patents numbers you wish to categorize.

**Categorizer.**

[< Back](#)

### Patent Categorization

File Upload



Select model

Select Model▼


**Categorize**

Select the appropriate model from the select model option and click on Categorize.

**Categorizer.**

### Patent Categorization

File Upload



Select Model

Test 1

Test 1

▲

**Categorize**

The patents in the uploaded dataset are instantly classified under appropriate categories.


Categorizer.				Home	Resources	Rajni
Results						
#	Publication #	Title	Category			
1	<a href="#">US20020129107A1</a>	Method and apparatus for automatic content handling	Remote software management			
2	<a href="#">US20020131067A1</a>	Dynamic management and transmissions of error notification and configuration data for printing and paper handling devices	Remote Diagnostics			
3	<a href="#">US20030037325A1</a>	System and methods for automatically installing a correct software version from media containing multiple software versions	Remote software management			
4	<a href="#">US20030135749A1</a>	System and method of defining the security vulnerabilities of a computer system	Others			
5	<a href="#">US20040012808A1</a>	Network-based technical support and diagnostics	Remote Diagnostics			
6	<a href="#">US20040064726A1</a>	Vulnerability management and tracking system (VMTS)	Remote software management			
7	<a href="#">US20050033834A1</a>	Diagnostic report transmission	Remote Diagnostics			
8	<a href="#">US20050033991A1</a>	Apparatus for and method of evaluating security within a data processing or transactional environment	Security			
9	<a href="#">US20050265351A1</a>	Network administration	Remote Diagnostics			

Download the results with the category mentioned against each patent along with the title of the patent. This gives you simplified data for further analysis so you can make informed business decisions faster.

Categorizer.				Home	Resources	Rajni
164	<a href="#">US9329920B2</a>	Supervisor system resuming control	Remote Diagnostics			
165	<a href="#">US9519784B2</a>	MANAGING BASIC INPUT/C	Security			
166	<a href="#">US9589117B2</a>	Computer security system a	Security			
167	<a href="#">US9645775B2</a>	Printing composite documen	Others			
168	<a href="#">US9405613B2</a>	RECEIVING AN UPDATE MC	Remote Diagnostics			
169	<a href="#">US9684518B2</a>	OPTION READ-ONLY MEMC	Others			
170	<a href="#">US9672252B2</a>	IDENTIFYING AND RANKIN	Remote Diagnostics			
171	<a href="#">US9854024B2</a>	DISPLAY OF OPERATING ST	Remote Diagnostics			
172	<a href="#">US9864651B2</a>	RECEIVING AN UPDATE CODE PRIOR TO COMPLETION OF A BOOT PROCEDURE	Remote Diagnostics			

Opening scores.csv

You have chosen to open:

 scores.csv  
 which is: Microsoft Excel Comma Separated Values File (16.0 KB)  
 from: https://categorizer.relecura.com

What should Firefox do with this file?

Open with Excel 2013 (default)

Save File

Do this automatically for files like this from now on.


OK Cancel

Download

## CONTACT US

Get in touch with us for any queries or for your specific needs related to intelligence and decision support on all matters related to technology and its business impact. We will figure the best way to address your needs with an appropriate combination of our technology and reports. We offer a range of tailored solutions and flexible engagement models.

 [info@relecura.com](mailto:info@relecura.com)

 +1 510 675 0222

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## About Relecura

**Relecura** is a full-stack cognitive cloud platform that provides custom intelligence and reports on patent portfolios, technologies and companies. It does this by capturing and organizing the knowledge from various document repositories (patents, scientific literature) and subject matter experts in a flexible and collaborative manner, into a knowledge-base.

**Relecura** offers IP analytics tools and a custom enterprise platform to corporations, law firms, IP services firms, R&D organizations and academic institutions. The enterprise platform integrates the discovery and analysis of public documents with internal company documents. Relecura also has an API to help create custom tools for IP and business intelligence. For more details visit [www.relecura.com](http://www.relecura.com).