

WHAT IS CLAIMED IS:

1. A method, comprising:

identifying, by a device, a text from a document includes structured information, wherein the structured information is a set of patent claims;

extracting, by the device from a structure of the structured information, a first one or more parts and a second one or more parts, wherein the first one or more parts are one or more grammatical parts and the second one or more parts are one or more legal parts; and

inserting, by the device, the first one or more parts and the second one or more parts into a structured model data object, wherein the structured model data object is a claim model data object;

generating, by the device, structured output text from the structured model data object, wherein the structured output text corresponds to one or more patent document parts; and  
providing, by the device, the structured output text.

2. The method of claim 1, further comprising:

querying for an output template;

determining whether the claim model data object is missing any information for the output template;

selectively requesting missing information for the output template based at least in part on a result of determining whether the claim model data object is missing any information for the output template;

selectively including the missing information in the claim model data object based at least in part on a result of selectively requesting the missing information; and

wherein generating the structured output text comprises:

generating the structured output text using the output template.

3. The method of claim 1, further comprising:  
determining, using the claim model data object and an output template, a number of new claims to create; and  
generating claim language, for the number of new claims, by running template logic on the first one or more parts and the second one or more parts.
4. The method of claim 3, wherein the template logic includes one or more looping functions.
5. The method of claim 3, wherein the template logic includes one or more logical operators that evaluate conditions and,  
wherein generating the claim language comprises:  
running the template logic based on the logical operators.
6. The method of claim 3, where the template logic includes one or more helper functions that extend a template parsing functionality of a base engine of the device.
7. The method of claim 3, wherein the output template is user-creatable.

8. The method of claim 3, wherein the output template includes one or more sub-templates according to one or more logic rules of the output template.
9. The method of claim 1, wherein generating the structured output text comprises:  
converting the generated text into one or more paragraphs, wherein the one or more paragraphs are insertable into a text processing application; and  
wherein providing the structured output text comprises:  
inserting the one or more paragraphs into the text processing application.
10. The method of claim 9, wherein inserting the one or more paragraphs comprises:  
inserting the one or more paragraphs into the document that includes the structured information.
11. The method of claim 9, wherein the text processing application is Microsoft Word.
12. A device comprising:  
a memory; and  
one or more processors, wherein the one or more processors are configured to:  
identify a text from a document that matches a structure of patent claims;  
extract the structure of patent claims into grammatical and legal parts; and  
place the extracted parts into a claim model data object.
13. The device of claim 12, wherein the one or more processors are further configured to:

query a user for a desired output template;

determine, using the desired output template, whether the claim model data object is missing any information;

selectively obtain the missing information based at least in part on a result of determining whether the claim model data object is missing any information;

determine, using the claim model data object and the desired output template, a number of new claims to create;

generate the number of new claims based on determining the number of new claims to create; and

generate claim language, for the number of new claims, by running template logic on an extracted data model.

14. A non-transitory computer readable medium storing a set of instructions, the set of instructions comprising:

one or more instructions that, when executed by one or more processors of a device, cause the device to:

identify, by a patent automation tool, a text from a document that matches a structure of patent claims;

extract the structure of patent claims into grammatical and legal parts; and

place the extracted parts into a claim model data object.

15. A method, device, system, apparatus, computer program product, and non-transitory computer-readable medium as substantially described herein with reference to and as illustrated by the accompanying drawings, specification, and appendices.