**[title of the invention]**

RELATED APPLICATIONS

1. This application claims the benefit of [country code] [patent document type] Ser. No. [XX/XXX,XXX (ex. 15/123,456)] filed [MMM. XX, XXXX (ex. Mar. 13, 2020)], which is incorporated by reference herein in its entirety.

FIELD OF THE INVENTION

1. The present invention generally relates to [broad title of your invention] [\*\*OPTIONAL BUT NOT RECOMMENDED\*\* and more particularly, to specific description of your invention].

BACKGROUND OF THE INVENTION

1. [Disclose the backstory of your invention’s field]

[Explain how the inventions in the field have been conventionally used]

[Describe the current state of your invention’s field]

[Disclose the disadvantages of the conventional inventions in your field].

1. [Disclose examples of relevant prior art or commonly known conventional methods of your invention’s field, and describe what the prior art or conventional method is]

[Disclose the problems in the prior art or conventional method that your invention solves, but only discuss problems that were acknowledged in the prior art or are known problems in your invention’s field]

[Try to introduce each problem as a *known* problem in the field when you can]

[If you discovered the problems you are trying to overcome, make sure to introduce the problem as *your* discovery]

[\*\*OPTIONAL BUT RECOMMENDED\*\* Making explicit citations to prior art documents will add legitimacy to your statements].

1. [Disclose the way that problems were addressed in the prior art, describe how the prior art tried to fix the problem]

[Disclose the disadvantages to how the prior art addressed the problems, try to explain how the prior art failed to fix the problem, the more disadvantages you can provide the better your application will look]

[Only disclose facts about the prior art or conventional methods, avoid incorporating any personal opinions in your disclosures].

1. Therefore, there is a growing demand for [Describe why a solution is needed and what kind of solution your invention will provide].

SUMMARY OF THE INVENTION

1. Due to the disadvantages know in the prior art [or you can replace the “prior art” disclosure with a description of the field of your invention], the present invention provides a/an [Title of your invention] that [Disclose the objectives of your invention] [Disclose the advantages of your invention].
2. [Disclose a first embodiment of your invention]

[Provide a general but clear description of what the first embodiment is and what it does]

[Highlight the important features, structures, functions, etc. of the embodiment]

[Disclose the advantages of the embodiment].

1. [Disclose any additional embodiments of your invention if applicable]

[Separate each embodiment into a separate paragraph]

[Provide a general but clear description of what each embodiment is and what it does]

[Highlight the important features, structures, functions, etc. of the embodiments]

[Disclose the advantages of each embodiment].

1. Although specific features, structures, embodiments, methods, objectives, benefits, advantages, functionality, and applications may have been disclosed, it will be understood by those having skill in the art that changes, including but not limited to, variations, modifications, combinations, alterations, omissions, and various other applications, will occur to those of ordinary skill in the art and such changes will be made without departing from the spirit and the scope of the invention as claimed. It should also be understood by anyone who reads this document that the terminology and phraseology used herein are for the purpose of description and should not be considered limiting.

BRIEF DESCRIPTION OF THE DRAWINGS

1. [\*\*OPTIONAL\*\*] The object, features and advantages of the present invention will become more apparent by describing the preferred embodiments with reference to the accompanying figures, in which:
2. **FIG. [#]** illustrates a/an [disclose the view type] of [description of what is depicted in the drawing] in accordance with an embodiment of the present invention.
3. **FIG. [#a (ex. 1a, 1b, 1c, etc.)]** illustrates a/an [disclose the view type] of [description of what is depicted in the drawing] in accordance with an embodiment of the present invention.
4. **FIG. [#]** illustrates a/an [disclose the view type] of [description of what is depicted in the drawing] of FIG. [#] taken along line [#-#] in accordance with an embodiment of the present invention.
5. [Use any of the three templates provided above to continue to build your BRIEF DESCRIPTION OF THE FIGURES**]**.
6. Corresponding reference characters indicate corresponding parts throughout the drawings. The exemplification set of characters herein is not to be construed as limiting the scope of the invention in any manner.

DETAILED DESCRIPTION OF THE INVENTION

1. Embodiments of the present invention will now be described in detail with reference to the accompanying drawings, in which like reference numbers designate identical or corresponding elements in each of the different views. It is to be understood that changes can be made to these embodiments without departing from the spirit or the scope of the invention. Additionally, any details set forth in this specification are not intended to be limiting and instead simply set forth some of the many possible embodiments for the invention as claimed.

1. Definitions [\*\*OPTIONAL BUT NOT RECOMMENDED\*\*]

1. The following terms used throughout the disclosure are defined as follows:
2. [Term] – [Definition as it relates to your patent application];

2. [\*\*REQUIRED\*\* Disclose the title of your invention] [\*or\* you can use these subheadings to differentiate specific aspect of your invention]

1. [Describe your first embodiment in as much detail as possible]

[Disclose the figure(s) that relate to your first embodiment]

[Disclose the physical structure and/or procedure of your invention]

[Disclose the main elements of your invention and how they are connected]

[After you introduce a main element, disclose the smaller more specific elements associated with it]

[If there are multiple assemblies within an embodiment it can be helpful to split them up into separate paragraphs]

[Try to begin at an obvious starting point and then work through all of the elements of your invention]

[Make sure that you discuss every part-to-part connection in your embodiment].

1. [Describe the operation of your first embodiment in as much detail as possible]

[Disclose the figure(s) that relate to the operation of your first embodiment]

[Describe the function of the entire device or process]

[Describe the function of individual elements or steps]

[If there are multiple different functions within an embodiment it can be helpful to split them up into separate paragraphs]

[Disclose the advantages of your invention].

1. [Use the template provided above to disclose any additional embodiments].
2. [Use the template provided above to disclose the operation of any additional embodiments].
3. It will be readily apparent to anyone who reads this document that at least one embodiment of the [title or description of the invention] provides [disclose the advantages of your invention]. Although only certain embodiments were disclosed in this document, many other variations are possible. For example, [disclose futuristic embodiments, disclose embodiments with different designs, disclose embodiments with different functions, disclose minor changes in certain details (such as shapes, sizes, colors, materials, etc.)].
4. Although specific features, structures, embodiments, methods, objectives, benefits, advantages, functionalities, and applications may have been disclosed, it will be understood by those having skill in the art that changes, including but not limited to, variations, modifications, combinations, alterations, omissions, and various other applications, will occur to those of ordinary skill in the art and such changes will be made without departing from the spirit and the scope of the invention as claimed. Further, it is to be understood by anyone who reads this document that the terminology and phraseology used herein are for the purpose of description and should not be considered limiting. Even further, the drawings illustrating embodiments of the present invention are used for schematic representation. The actual systems, devices, and methods of the embodiments of the present invention may depart from the foregoing schematics without departing from the spirit or the scope of the present invention.