CONTENTS OF A PATENT APPLICATION

I. CROSS-REFERENCE TO RELATED APPLICATION

A. Has any application been filed by any of the inventors related to the subject matter of this application?

1. What is the Patent Application No.?

2. When was that application filed?

3. What is the title of the application?

II. TECHNICAL FIELD

A. In general, what is the field of technology for this invention?

III. BACKGROUND

A. Describe the problem and why it's important to solve that problem.

B. Describe current solutions you are aware of and their shortcomings.

C. Describe what solutions are still needed.

IV. SUMMARY OF THE INVENTION

A. Generally speaking (in summary), what is the invention and how does it work? Describe your invention as if you were giving a 30 second sales pitch.

B. How does your invention solve the problem described in the Background section?

C. What are the goals/objectives of your invention?

D. What are the advantages your invention has over the current solutions?

V. BRIEF DESCRIPTION OF DRAWINGS

A. Please provide any drawings (CAD, SolidWorks, hand drawings, etc.), photographs, or flow diagrams and flow charts showing the features of your invention.

B. Helpful views include:

1. Flow charts of the overall concept
2. Detailed flow charts of routines and subroutines.
3. Schematic of the computer architecture

VI. DETAILED DESCRIPTION OF THE INVENTION

A. List each step of your invention.

1. *Process: Name the steps involved to accomplish your goal.*
2. *If the Process involves a machines or devices, for each machine or device, name the parts.*
3. *Computer/Internet (Combination of Apparatus and Process)*

    a) Describe the overall computer architecture (the hardware), i.e. processor, memory, database/storage device, I/O devices, input devices, output devices, network adapters, etc.

    b) Describe the overall process in a single flowchart.

B. For each component/step listed above:

1. Describe the purpose/function/utility of that component or step.

2. Describe how each component, or step listed relates to, interacts with, or cooperates with the other components, or steps.

3. Describe the characteristics, properties, steps, and other details that show how the purpose/function/utility is achieved.

a) Process

i) Who or what does it?

ii) How do you do it?

iii) What do you do it with?

iv) What conditions are required when this step is done?

v) Where do you do it?

vi) When does it have to be done?

vii) Why do it?

viii) How else can this step be done?

b) *Computer/Internet*

i) Show and describe a series of flow charts that detail the various routines and subroutines that connect together to create the overall process described above.

(a) Present or describe the algorithms required to perform desired function.

(b) In general, provide enough information that allows a programmer reading your specification to write the code to generate the desired outcome.

(c) This description should be from the perspective of the computer or server.

(d) Describe the logic the computer needs to follow.

(i) providing a program specification would be helpful

(ii) providing flow diagrams would be helpful

ii) Describe the data structure.

(a) What is the data being collected?

(b) *How is that data used or "transformed" and presented to the user?*

4. Describe any advantages of the component or step over existing components or steps having the same or similar purpose/function/utility/characteristics/properties.

5. List substitutes that can achieve the desired purpose/function/utility or have similar characteristics/properties of the component.

a) Think about how your competitor would get around your invention.