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## Product Proposal

### **Introduction and Statement of Reasoning**

I am creating a patent application for Arise. Arise is a wearable tech startup that creates shoes that use the energy from your steps to power built-in tech such as automatic laces, fitness trackers, etc. This project will help guide me through the process of creating a patent application. I will conduct an interview with the inventor to go into detail about the technology comprised in the shoe which powers up the batteries. I will also get an in-depth analysis of how this technology is powered through footsteps. After understanding how his shoe works, I will have to research and see if his invention fits under the patent-eligibility guidelines such as novelty, preemption, non-obvious subject matter, etc. My Mentor will guide me through the patent application and how to create the diagrams for the invention. Finally, I will start creating the patent application for the shoe with the tech, including the claims. I will be applying many of the skills that I have learned from my mentor to help create the patent application. A few examples of some of the skills necessary: excellent time-management, critical thinking, strong writing skills, etc.

### **Review of Skills and Research**

Many research topics will be critical in the exploration process of the product. The prior art is defined as information in a document that is publicly available and information made publicly available through doing an act. Furthermore, there is no time limit on the prior art, and therefore a document published 10 years ago is just as relevant as one that was published 30 years ago. The court has added three judicial exceptions to what is patentable: natural phenomena, laws of nature, and abstract ideas. Through this search, I will have to cover multiple patent-eligibility guidelines. Novelty can be defined as the quality of being new, original, and in some cases unusual. In order to qualify for a patent in the U.S., an invention must be novel. The non-obvious subject matter can be defined as your invention should not be obvious to someone relatively in the same industry. Preemption plays a big role in patent-eligibility. If the invention preempts further advancements, then the invention is patent-ineligible. The non-obvious subject matter can be defined as your invention should not be obvious to someone relatively in the same industry.

Before creating a patent, an attorney must conduct a prior art search. I will have to learn how to use patent databases such as the Unified Patents Portal, Google Patents, USPTO's Public Pair. There are multiple ways to create these diagrams, so my mentor will have to help me throughout the application. The inventor will have to provide me with the claims their invention is making in order for me to get a brief idea of their protectable features. Then, after understanding the model, I will determine the protectable features and share them with the inventor to get our best shot at having the patent approved as if it were a real patent application. The claims are sentences or phrases that describe the inventive concept or concepts of an invention. They recite which concepts described in the detailed description are inventive. I am

familiar with the patent-eligibility guidelines and so it will be easier for me to demonstrate the reasonings through the patent. For the final part of the patent, I will provide a detailed description of the invention. The goal is to provide enough detail that a person with ordinary skill in the area of the invention would understand how to recreate it. This requirement means that the description must be comprehensive and precise, leaving no ambiguity in any way.

## **Methodology**

I will begin my project by having a meeting with the inventor about how his shoe functions. In this meeting, I will have to get a clear picture of the invention in order to start working on the protectable features of the invention. After determining the protectable features of the technology, I will then write the claims on Microsoft Word and submit the details to my mentor. Next, I will create hand-drawings of the figures which will explain the inventive concepts of the invention through illustrations. After my figures are approved by my mentor, I will write out a detailed description of the invention which includes a step by step process for anyone in the industry to recreate his product. Finally, I will proofread and edit the application if necessary.

## **Materials**

1. Microsoft Word
2. Unified Patents Portal
3. Google Patents
4. USPTO's Public Pair
5. Patent Proofreading

## **Conclusion**

The outcome of this product will be a completed patent application which includes drawing/diagrams, a detailed description, and the claims. If the application issues as a patent, it will give the inventor the right to exclude others from making, using, selling and importing the invention for a limited period of years. It is important to note that this will not be a legal patent as I am not able to practice patent law in the United States legally. This product will have an application to the real world as it will be formatted as a real patent application and help boost my knowledge on the step by step procedures into creating patent applications.

The project will be a tremendous learning experience for me as I will learn the fundamentals for writing a patent application, which is a skill that will be important in my future career endeavors. I will gain an incredible amount of knowledge on the creation of a patent alongside advancing my prior learning with the patent-eligibility subject matter. The product will be useful to me because it will help me set a foundation on drafting a patent application and will be utilized by me through the development of the skills I acquire through the process. This product is not directed to impact others, however, it will help me in teaching others about the importance of Intellectual Property and its principles.

## **Calendar**

### **1st week:**

**Research Wearable Tech Patents**

**Research how to create a patent application**

### **2nd Week:**

**Conduct an interview with the client**

**3rd Week:**

**Detail the claims for the inventor through a specific scope**

**4th Week:**

**Create hand-drawings of the invention**

**5th Week:**

**Written Description**

**6th Week:**

**Written Description**

**7th Week:**

**Revisioning**