**PATENT SUMMARY APPLICATION**

**[Inventions Programs Application Checklist]**

|  |  |
| --- | --- |
| **Invention Name** | The Shape Shifitng Key |
| **Inventor Name** | Kenneth Adams |
| **Signature of Inventor** |  |
| **Date:** |  |

**Your final deliverables checklist – attached ALL that have already had due dates in class (i.e, Pitch/Proposal, Resarch, Journals to date, description, drawings or sketches, mock up prototype where applicable, plus the Project Summary Sheet**

|  |  |
| --- | --- |
| Enclosed: |  |
|  | Project Pitch/Proposal |
|  | Results of patent/product search; |
|  | Research in the field and satellite fields (if applicable) |
|  | List of all activities and contacts pertaining to the invention; |
|  | Journal Entries |
|  | Complete and cohesive description of my invention; |
|  | Drawings or sketches |
|  | Mock-up or prototype (if possible) |
|  | Project Summary Sheet |

**Project Summary Sheet**

This sheet needs to be filled out even though you have written the information on other parts of the application. You also need to attach a photograph, sketch, or simple drawing if you have one and still include them in the application. This sheet is a reference sheet and should be as accurate as possible.

|  |
| --- |
|  Type of Intellectual Property Protection you have on your invention. (circle one that would be appropriate) o   * Utility Patent * Utility Patent Application * Design Patent * Design Patent Application * Other (specify): |
|  Description of invention and what it does: two or three sentences that would give someone a general idea about your invention, but does not necessarily give details on how it works.  **My invention is a unique key that allows you to open multiple locks.It has a finger print system that detects who uses the key.You can open any lock that is registered into your key under your name.** |
|  Give three selling/advantages points that your invention has over its competition. Remember, everything has competition- before paper clips and staples, people folded the corners of pages over to hold them in place.  **1.Security System**  **2.Opens Multiple Locks**  **3.Only Need One Key** |
|  Do you have a prototype? If yes, please attach a photo here. If no, please sketch out the concept to the best of your ability. |

**INVENTION INFORMATION:**

|  |  |
| --- | --- |
| Name of Invention | The Shape Shifting Key |
| **Clarify what your plans are in regard to each of the following**  Feasibility Study Technical  Review Design Assistance  Manufacturing Advise    Materials Advise  Technical drawings  Prototype  Business Plan  Initial Marketing  Consolation  Marketing Plan  General Feedback    Referral to appropriate service providers  Patentability Opinion  Provisional Application for Patent  Patent Application Reviewed  Assistance with form preparation  Trademark and Copyright Assistance  Other (specify)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

**INVENTION DEVELOPMENT:**

|  |  |
| --- | --- |
|  Date of Initial idea (month/year) |  |
| * Problem statement * (what problem lead to the creation of your invention) | There are too many locks that  requires us to carry many keys around. |
| * Resolution statement * (how does your invention solve that problem) | The shape shifting Key can change itself to open any lock registered by the key. |
|  What makes your invention better able to solve this problem more effectively than what is currently being used? | The ability to change itself to open multiple locks. |

**LEGAL:**

|  |  |
| --- | --- |
|  Have you presented your idea to the public (the IAS, a patent professional, family members, or co-inventors are **NOT** considered to be public)? | No i havent. I have presented in front of classmates. |
|  If yes, when did you first present? | A couple of weeks ago. |
|  Do you have a journal? | Yes |
|  Have you sought the advice of a patent professional (lawyer or agent)? | No |
|  If yes, please list who you are using: |  |
|  Are you planning on pursuing a patent? | I am not sure |
|  If you are already under patent protection, please give the patent number | n.a |
|  If you have filed a provisional patent, when does your one-year time limit expire? | n/a |

**MANUFACTURING:**

|  |  |
| --- | --- |
|  What safety/health concerns does your product pose? | The shape shifting Material may be dangerous to the skin |
|  What material(s) is your invention made of? |  |
|  What manufacturing processes will be involved in making your product? | Installing microchips in the key that store data. Making sure that the key changes shape. |
| Approximately how much will your product cost per unit?  (Think about how much each component costs plus the labor) | $1000\_\_\_\_\_\_\_\_ |

**MARKETING RESEARCH:**

|  |  |
| --- | --- |
|  What is your goal for this invention (venture or license)? |  |
|  Can your product be sold at the retail level for 3-5 times the cost to make it? | I am not sure |
|  Who is your target market for this product? (be specific) | **The elderly and disabled.** |
|  Can your target market afford to pay the retail price for the item? | **They will get the key half price.** |
|  What benefit will the target market reap? | The ability to open multiple locks |
|  How does the benefit outweigh the cost? | **you will not have to purchase or have a number of keys made when you can use just one.** |

Please list all patents that you have researched concerning your invention. Also state how yours is different than what is presently patented.

Please list any additional products that are on the market that are similar to yours. Please explain how your concept is better.

|  |  |
| --- | --- |
| List all contacts [you would have] made concerning this invention: (Patent professionals, market research, professionals in the field, etc.) | |
|  | |
| Please list any additional factors that are important to this project: |
| Please describe, in detail, your invention. Be sure to include shape, features, how the invention works, as well as what it does. | |
| My ivention looks like a basic key but it does much more. The average key can open just one lock. The shape shifting key can open multiples locks. The way the key works is that your locks are registered within the keys system. The key will only open the locks that are stored within its data. You can store the data in the key through a program. There will be no usb cord it will be done wirelessly. When you hold the key towards your lock it will recognize it and then change shape. | |
| Please sketch or draw your invention in ink. If you have computer-generated drawings, please attach as well. Be sure to show how your invention works and is assembled. Please include a sketch or photo of your invention in use. | |