

I can't directly file patents or any legal documents on your behalf, but I can guide you through the process of filing a **provisional patent application** with the **USPTO** (United States Patent and Trademark Office).

Here's how you can file your provisional patent application:

Steps to File a Provisional Patent Application with the USPTO:

1. **Prepare Your Documents**:

- The documents we've drafted (detailed description, drawings, abstract, etc.) are the core components of your application. Make sure everything is saved in a digital format, such as PDF.

2. **Create a USPTO Account**:

- If you don't already have one, you will need to create an account on the **USPTO.gov** website:
- Go to [USPTO Account Creation](<https://www.uspto.gov/myuspto>).
- Follow the prompts to register for an account.

3. **Access the Electronic Filing System (EFS-Web)**:

- After logging into your account, go to the **EFS-Web** portal, which is the USPTO's system for submitting electronic applications:

- [EFS-Web for Patent Applications](<https://www.uspto.gov/patents/apply/filing-online/efs-web>).

4. **Start a Provisional Patent Application**:

- In the EFS-Web portal, select "File New Application" and choose the option for a **Provisional Application for Patent**.

5. **Upload Your Application Documents**:

- Upload the **detailed description**, **drawings**, and **abstract** that we drafted.
- Fill out the required forms, such as the **Provisional Cover Sheet (SB/16)**, which includes basic information about the invention and inventors.

6. **Pay the Filing Fee:**

- The fee for filing a provisional patent application is typically around \$75–\$300, depending on the size of your entity (e.g., small or micro-entity status).
 - Micro entity: \$75 (if you qualify based on income limits).
 - Small entity: \$150.
 - Large entity: \$300.

7. **Review and Submit:**

- Review all the uploaded documents and forms.
- Once you're satisfied, submit your application.

8. **Receive Filing Confirmation:**

- After submitting, you will receive a confirmation with a **provisional application number** and **filing date**. Keep this information for reference.

After Filing:

- You now have **one year** to file a **non-provisional patent application** that claims the priority of this provisional application.
- During this year, you can further refine your invention and determine whether you want to pursue full patent protection.

If you need any more detailed guidance during this process, I'm happy to assist!