

# INVENTION DISCLOSURE

## 1. Invention Title.

**"Air Notes" wearable technology on the wrist to create, store, and retrieve notes in the cloud**

## 2. Invention Summary.

Wearable technology, such as Google Glasses, is the next big thing. However, I already hate having to wear glasses, and I would prefer to put this technology in a stylish wrist accessory. This idea merges the technology demonstrated by Leap Motion with a concept such as Google Glass, to provide the capability to easily create notes by writing "in the air", connecting via WiFi or wireless (4G, LTE) technology to store it in the cloud, and then notes could be retrieved and reviewed either on a simple screen on the wrist device, or through a projection from the device to a surface. Of course the device could also include a camera and the ability to display pictures. And of course, it could be integrated with the cable service to control a STB.

## 3. Invention Description.

This idea merges the technology demonstrated by Leap Motion with a concept such as Google Glass, to provide the capability to easily create notes by writing "in the air", connecting via WiFi or wireless (4G) technology to store it in the cloud, and then notes could be retrieved and reviewed either on a simple screen on the wrist device, or through a projection from the device to a surface. Of course the device could also include a camera and the ability to display pictures. And of course, it could be integrated with the cable service to control a STB.

This may sound somewhat SciFi-ish, but based on technology that is already available in Leap Motion sensors and Google Glasses, it must be possible.

The sensor would need to detect finger and wrist motion. It can be a combination of gyro sensing along with the air-space sensing technology in the current Leap Motion product. This would enable the ability for the sensor to detect motion from the hand associated with the wrist on which the device is worn. As an alternative, the sensor could be more like the traditional Leap Motion sensor, sensing the air space above it, and controlled by the hand opposite the wrist wearing the sensor.

Another alternative is to make the wearable sensor a pendant that detects the space in front of the body, and can then be controlled by both hands and arms. This could be more difficult to align the sensor and the motion.

This device would include a rechargeable battery and the ability to connect to cloud services.

With this user interface, the application possibilities are endless. I reference one application, "Air Notes", because I find it very useful to be able to quickly note something to myself.

### **Briefly outline the potential commercial value and customers of the invention.**

An alternative to nerdy glasses, this provides a new user interface to many possible technology features.

## 4. How is this invention different from existing products, processes, systems?

I have heard that Apple has considered the iWatch, and there are many GPS watches already on the market. This is different by incorporating the space detection sensor to allow more control through hand motions in the air.