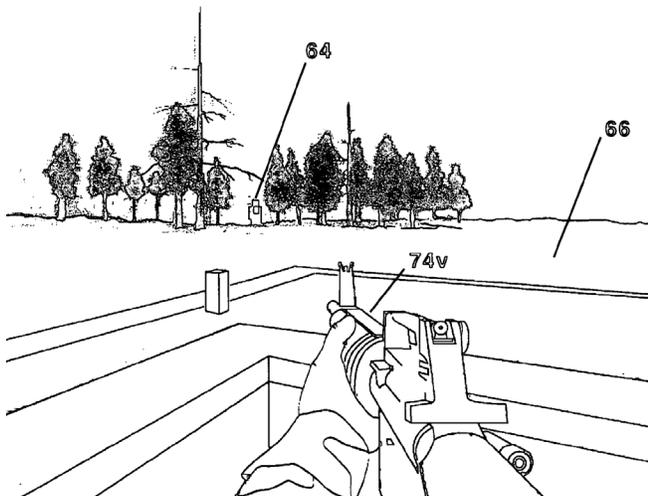




## Advanced Video Controller System

### INTRODUCTION

A video control system has an accelerometer sensor connected to a microcontroller for imparting motion and orientation information to the microcontroller. An encoder/transmitter is connected to the microcontroller and converts a plurality of parallel signals from the microcontroller into a serial data stream which is wirelessly transmitted to a receiver/decoder to convert the serial data back to the original parallel signals. The receiver/decoder is connected to a keyboard encoder that is connected to the keyboard port of personal computer. The accelerometer sensor, microcontroller and encoder transmitter are adapted to be worn on a video player's person.



### CONCEPT

The system allows for a realistic experience in a video environment in which movement of the video player is replicated and appreciated on a video screen.

### INVENTION OVERVIEW

- Novel improved device application using an accelerometer sensor on a microcontroller
- Allows for realistic experience in a video environment
- U.S. Patent Number: [8,651,964 B2](#)
- Application Number: 11/313,050
- Date of Patent: 18 Feb 2014

### POTENTIAL MARKET

- Gaming industry

### DOING BUSINESS WITH AMRDEC

AMRDEC is a leader in partnering with domestic firms. Successfully developed and implemented innovative tools to ease the technology transfer process such as:

- Patent License Agreements
- Cooperative Research and Development Agreements
- Test Services Agreements

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