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 CCDC AVIATION & MISSILE CENTER
CCDC Aviation & Missile Center 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

FOR FURTHER INFORMATION:
U.S. ARMY COMBAT CAPABILITIES DEVELOPMENT COMMAND AVIATION & MISSILE CENTER:
ATTN: FCDD-AMG-CST
Office of Research and Technology Applications
5400 Fowler Road
Redstone Arsenal, AL 35898
Phone: 256-955-6016 or 256-313-0895
Email: usarmy.redstone.ccdc-avmc.mbx.orta@mail.mil