



Introduction

More and more of the people that works with a computer mouse ordinarily, have started complaining about the so-called “mouse-damages”. They appear when you make the same operations with the mouse day after day. It is specially the small joints and muscles in the hand and the arm that gets painful. Small joints and muscles gets faster painful compared with the big muscles, which can stand more strain. The “mouse damages” could be reduced if you used bigger muscles to move the mouse pointer. Based on this theory, I started developing a system to control the mouse movement, by moving the head, I named it HeadPointer. The project was started as a free project in the subjects: Electronics, Business economy and Society, at my college. The project joined the national contest in Denmark and was selected to represent Denmark at the EU contest in Portugal.

Description

HeadPointer is a system that, dependent on the movement of the head, controls the pointer on the screen. The system is a pair of glasses that detects the head movement and a box with the buttons. In the rapport, the system is described more detailed. As the rapport describes, the HeadPointer system was not completed for the national contest. However, it will be completed for the EU contest.

Conclusion

I think that HeadPointer is a smart invention. It is not only a good alternative for people with “mouse damages”, it can also make handicapped able to get a job with a computer. The HeadPointer is still being developed. Therefore, the version for the EU contest is not described in the rapport. Only the “old” version from the national contest is described.