



## 3D MAGNETIC MOUSE

*Innovative 3D mouse system using the properties of magnetic fields*

### Technological benefits

#### An accurate system

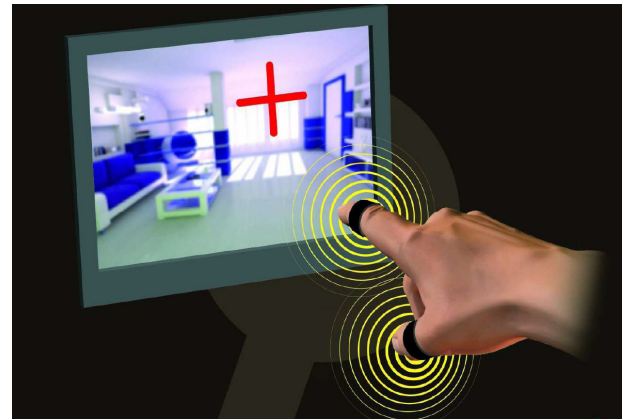
Calculation of 3D position using triangulation  
Dual-differential system

#### An effective solution

Intuitive and quick pointing  
Click management

#### A robust device

User uses passive components  
Simplified calculation of position  
Saves space



Example implementation

### Invention overview

Use of magnetic field sensors on the screen combined with rings worn on user's fingers.  
Analysis of disturbances in the magnetic field serves to spatially identify the position and shape formed by fingers.

### Commercial benefits

#### Simple components

Magnets and sensors available at low cost

#### Limited calculation requirements

Identification made easy using the magnetic field  
Withstands changes in room lighting

#### Productivity

Intuitive system, improved ergonomics

### Potential applications

3D drawing

Control

Medicine

Video games

**TRL : 3**

*Patented invention, available under license*