

## EUROINVENT 2012

**10.7.**

**Title**

COMPUTER AIDED SYSTEM FOR MEASURING THE PARAMETERS OF BI-STABLE MAGNETIC WIRES

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**Patent no.**

Patent pending

**Description**

The system contains a sensor, a specialized device for data acquisition and digital processing, and a host computer. The specialized device provides the operation of signal conditioning, analog to digital conversion, and its real time processing. The host computer provides the visualization and storage of the signal as well as the monitoring and configuration of the device via universal serial bus USB.