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rete per il trasferimento di tecnologia

TECHNOLOGY OFFER

Keywords

- Applications for Transport and Logistics
- Packaging / Handling
- Measurement Tools
- Recording Devices
- Remote sensing technology

Patent status

No Patent

Licensing/collaboration

- License Agreement
- Testing of new applications
- Adaptation to specific needs
- Transfer in new raw materials
- Engineering
- Technical consultancy

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Shipping recorder: black box for sensitive goods shipment monitoring

A Swiss company has developed an innovative shipping monitor. It continuously measures and records shocks, temperature and humidity (2 other parameters possible). Advantages over similar equipments are cost, small size, continuous measure and data log, large autonomy and record of detailed data for shipment conditions analysis. It is provided with high-performance software.

Industrial/commercial partners interested in a technology licensing or large scale product distribution are sought.

The proposed shipping recorder is a low cost, miniature, IP65, micro-controller based data logger developed specifically for monitoring the shipping conditions of sensitive goods. It continuously measures and records shocks, temperature (-30 to 75 degree C) and humidity (5-95%RH) (2 other parameters possible). It logs 3 axis acceleration (shock) data every 2ms and allows an accurate reconstruction of the shipment conditions. The non-volatile memory used to store the data and the various anti-tampering solutions make it a safe data recorder. The producer has extensive expertise in sensitive goods shipment problems and in digital/analogue electronics development.

The product addresses the manufacturers of sensitive goods, the manufacturers of packaging systems, the shipment companies, the insurance companies. It can improve the quality of the transport/ packaging methods, it can prevent damage costs, it can help in solving insurance claims.

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