



Enabling trusted eServices



OPTAGLIO wins new deals

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OPTAGLIO has announced several new contracts for its anti-counterfeiting product, OPTAGLIO OVIimage.

According to the company, OPTAGLIO OVIimage protects against counterfeiting and enables users to identify a particular document, even if it has been tampered with.

OPTAGLIO says: "Security holograms are generally accepted as the strongest available anti-counterfeit protection measure. Imitation of advanced security holograms is impossible or close to impossible. However, the holograms offer no tools for particular document identification. This limitation is based on the basic principle of hologram production: mass production using the same master.

"In spite of this, OPTAGLIO's researchers have found a holographic solution. It is based on microholograms – extremely small metallic particles of a regular shape with a holographic surface. Viewed with the naked eye, microholograms look like metallic dust. At higher resolution, a complete hologram can be found on each 'grain'. OPTAGLIO has invented microholograms and patented them."

The company adds that OPTAGLIO OVIimage is based on a random scattering of microholograms in a defined area of a protected document such as an ID card, passport, banknote or tax stamp. They are hot stamped on paper or sealed into plastic. Afterwards, the distribution of these microholograms is recorded on a database to enable future identification of the document.

"Once a document has been created, even we at OPTAGLIO cannot imitate it," says Igor Jermolajev, research manager, OPTAGLIO. "Anti-counterfeit protection is normally based on reliable recognition of a protective element. With OPTAGLIO OVIimage you can go even further. You can identify from which passport the abused element was removed. You can say when the passport was issued, who its holder was, if its theft was correctly reported and so on."

The company adds: "Personal documents have their serial numbers but fraudsters can tamper with them. Identification based on an element that cannot be imitated thus brings a radical improvement in protection and forensics. This improvement is critical because weak points in document protection are often targeted by criminals and terrorist groups, while mistrust of certain documents can impact legitimate holders."

"We are delighted to say that the reaction of the market confirms strong interest in very advanced anti-counterfeiting solutions," says Libor Šustr, technical manager, OPTAGLIO. "Security issues prevent us from announcing clients and contracts but the important thing is that several countries will be able to identify particular documents in the near future."