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For immediate release: Banking Information Technology:

AlpVision SA announces new digital security printing technologies to fight counterfeiting and tampering of payment documents

AlpVision, headquartered in Switzerland, a leading supplier of digital security printing solutions, working closely with leading Swiss and European banks, is pleased to announce that standard printing processes can now produce cost effective solutions to fight counterfeiting and tampering of payment documents.

Sources of losses include fictitious document fraud, counterfeiting of corporate checks and other negotiable instruments, as well as false identification documents created with the use of computer technology, not to mention internal employee misbehavior or simple processing errors.

To efficiently fight against these losses, a solution should simultaneously provide the ability to track and trace the document during its entire life cycle as well as using an unbreakable, machine readable authentication process.

The AlpVision solution satisfies these two requirements. Moreover the solution can be integrated into any existing IT value paper processing lines. Commercialized under the name of Cryptoglyph® (Crypto = encryption, glyph = marks), it combines the invisible printing, with standard visible ink, of a large number of very small dots and a cryptographic secret key (128 bits). These dots are invisible to the naked eye and are not identifiable with magnifying equipment because they are very small and are mixed up with the imperfections of the paper.

Document specific information is encrypted and hidden in these dots over the entire surface of the printed document. Each document is as unique and unalterable as a person's fingerprint. Cryptoglyph® provides:

- Integrity checking: verifies that no one has tampered with the document.
- Tracking: the printed document contains ciphered information about the person who printed it.
- Authenticity verification: proves that the document is authentic and not fraudulent.

Document verification can be performed either by standard flatbed scanners or by high speed industrial scanners (over 4 documents per second) for automated processing.

The Cryptoglyph security technology fits perfectly with the reengineering of the value paper processing, in line with the "Check Clearing for the 21st Century" initiative, which allows banks to transmit electronics check images instead of physically transferring paper checks.

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