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A Development  
Project

**PINProof**<sup>TM</sup>.com

## Ad-Hoc Access & Passage Control for People and Packages

### 21<sup>st</sup> Century Airport Security

**Advanced graphic software enables terrorists to produce faked permits, access, and passage documents. Airports are particularly vulnerable.**

**PINProof prints on each such permit a digital digest of its image, encrypted with the issuer private key, instantly verifiable by a scanner interpreting the digest with the issuer public key. Airport guards wielding the PINProof hand held device will briefly aim onto permits, package labels, etc., to verify authenticity. Critical in the event of a major airport disturbance. PINProof reading is battery operated, and remains functional even if the network is down.**

PINProof is an innovative technology that translates a paper image into its corresponding electronic file (bit string), then reduces this long file (hashing) to its digital signature which is affixed on the document, after it has been signed by the issuer private key. A battery operated hand-held reader decodes the hash using the issuer public key. The reader compiles an electronic image of the document, computes its digest, and compares the digest to the one affixed on the document to authenticate it. Fraudsters unaware of the issuer private key cannot fool PINProof. Applicable to identification tags for people or for packages, crates, boxes etc.

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