AUTHENTICATION OF TEMPORARY DOCUMENTS

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Rio de Janeiro

HOLOGRAM INDUSTRIES
Innovative Optical & Digital Security Solutions
HOLOGRAM. INDUSTRIES IN SHORT

In numbers

- **Leader in document authentication**
  - Turnover 2011: 43M€
  - Applications in 50 countries +

- **Headquarters in France**
  - 300 employees worldwide

- **Holograms and DOVID’s solutions**

- **Digital solutions**
  - Document data base
  - Image digital signature and investigation softwares
ID DOCUMENT AUTHENTICATION

Understanding the needs

- **First line control**
  - Quick
  - Easy
  - Reliable
  - Goal: no doubt
    - Authenticity
    - Alteration

- **Second line control**
  - Is performed if doubt at first control
  - Can require easy available tools
  - Goal: certainty
DOVID’s FOR VISUAL CONTROL

Easy to check: simple effects

- **DID®**
  - Tilt: a 2 colour image appears
  - Rotate: the 2 colours permute

- **A unique track record**
  - 6 years on European ID documents
  - 0 counterfeit reported to date
DOVID’s FOR VISUAL CONTROL

Easy to check: simple effects

- A personalized hologram
  - Photographic definition of the image

- Very high brightness
  - Far higher than embossed (HRI) holograms
  - Efficiency > 90%

- Do not affect at all the readability of the printed data

- Full face or embedded feature
DOVID’s FOR VISUAL CONTROL

Easy to check: obvious manipulation

- Any falsification attempt damage the optical effect
  - The optical foil is intimately linked with the personnalisation
  - Ultra-thin layers
DOVID’s ON TEMPORARY DOCUMENTS

Visas, Urgent passports, resident cards

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OPTOSEAL® VISA TOP

Visa stickers authentication and data protection

- A quick and simple 2 steps desktop process
  - Personalization with a standard inkjet or laser printer
  - Lamination with a standard laminator
OPTOSEAL® Print

Reverse desktop printing for booklet

- Reverse printing of the laminate with commercial desktop laser printer
- Lamination with a commercial desktop laminator

Result
- High definition personalization
- Secure personalization
  - When glue melts, toner will penetrate in the paper fibers

Advantages
- Extra low cost equipment
- No maintenance
- Very convenient for urgent document
OPTOSEAL® Guard FOR PLASTIC CARD
Films and printers for plastic cards

- Desktop printing by die sublimation
  - In-line lamination
  - All variable data are protected
    - 5μ DOVID patch lamination
      - Authentication
      - High Tamper protection
      - Adapted durability
DIGITAL AUTHENTICATION OF A TEMPORARY DOCUMENT

Visas, Urgent passports, resident cards

H O L O G R A M  I N D U S T R I E S
Innovative Optical & Digital Security Solutions
GLOBALCHECKER®

General scope

- In line automatic control of ID documents authenticity:
  - Passports, Visas
  - ID Cards
  - Driver licenses…

- Detection of fraudulent operations such as:
  - Tampering of the variable data, photography
  - Falsification of stolen blank documents
  - Fake documents, imitations
  - Photocopies
GLOBALCHECKER®

Creation of the database

- Acquisition of the image of the document
- Calculation of the digital fingerprints
  - Each fingerprint is unique
- Storage in database
  - Each fingerprint indexed with the document number
GLOBALCHECKER®

Control process

- Document scanning
- Document image is sent through internet to central server
- Image matching with registered fingerprint?

Match = Genuine

No match = Fake
Thank you for your attention!