

Technology: System for the comparison of fingerprints and palm prints based on multiple clusters of matching minutiae.

Description: System for the comparison of fingerprints and palm prints based on multiple clusters of matching minutiae. This technology allows both fingerprint verification and identification of latent prints .

Advantages:

- ✓ The method, unlike other proposed solutions, allow the comparison of fingerprints and palm prints, both for latent print identification and for verification of fingerprints to a high degree of efficiency and effectiveness basing upon samples of low quality traces.
- ✓ This system can use any descriptor of minutiae, which allows its application in any context. For example, for applications in light hardware architectures or in applications with more computing power.
- ✓ Experiments using databases of fingerprints and palm prints have shown that the proposed method is able to increase the effectiveness of commercial systems up to 19.5 % when the image quality is poor.

In search for: licensee Company with interest in product developing.

Technology status:

- ✓ Laboratory proved
- ✓ Patent pending.

Researching team: University Institute for Technological Development and Innovation in Communication (IDeTIC) from University of Las Palmas de Gran Canaria (ULPGC), Spain, and National Institute of Astrophysics, Optics and Electronics (INAOE), México.
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