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Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))
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(54) Title: REVOCABLE BIOMETRICS WITH ROBUST DISTANCE METRICS

(57) Abstract: Techniques, systems and methods relating to cryptographically secure revocable biometric signatures and identification computed with robust distance metrics are described. Various biometric cryptographically secure revocable transformation approaches are described that support a robust pseudo-distance computation in encoded form (such as seen in figure 4), thereby supporting confidence in verification, and which can provide for verification without identification.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/37490

A. CLASSIFICATION OF SUBJECT MATTER

IPC: **G06K 9/00(2006.01)**

USPC: 382/124;380/277

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 382/124; 380/277

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	RATHA et al Enhancing security and privacy in biometrics-based authentication systems,2001, IBM Systems Journal, Vol 40. No. 3,pages 614-633.	23 ----- 1-2,4-21
Y	US 5,999,622 (YASUKAWA et al) 07 Decemeber 1999 (07.12.1999), the whole document.	1-2,4-21

Further documents are listed in the continuation of Box C.

See patent family annex.

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