

Title (en)

MULTI-MODAL BIOMETRIC DATABASE SEARCHING METHODS

Title (de)

MULTIMODALE BIOMETRISCHE DATENBANKSUCHVERFAHREN

Title (fr)

PROCÉDÉS D RECHERCHE DANS UNE BASE DE DONNÉES BIOMÉTRIQUE MULTIMODALE

Publication

**EP 2987098 A2 20160224 (EN)**

Application

**EP 14785482 A 20140416**

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Abstract (en)

[origin: WO2014172480A2] The present invention provides techniques for efficient searching of a multi-modal biometric database. Nested searching improves search efficiency by using the results of a previous biometric modality search to limit the search population for subsequent biometric searches. The method can also be used in combinations of non-biometric searches limiting subsequent biometric searches or vice versa.

IPC 8 full level

**G06F 17/30** (2006.01)

CPC (source: EP)

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Citation (third parties)

Third party : Aleksas Pielikis

- "A Dissertation Submitted to Michigan State University in partial fulfillment of the requirements for the degree of Doctor of Philosophy", 1 January 2008, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, MICHIGAN STATE UNIVERSITY, article K. NANDAKUMAR: "Multibiometric Systems: Fusion Strategies and Template Security", pages: 1 - 249, XP055746761
- HONG L., JAIN A.: "INTEGRATING FACES AND FINGERPRINTS FOR PERSONAL IDENTIFICATION.", IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE, IEEE COMPUTER SOCIETY., USA, vol. 20., no. 12., 1 December 1998 (1998-12-01), USA, pages 1295 - 1306, XP000800831, ISSN: 0162-8828, DOI: 10.1109/34.735803
- KO T.: "Multimodal Biometric Identification for Large User Population Using Fingerprint, Face and Iris Recognition", APPLIED IMAGERY AND PATTERN RECOGNITION WORKSHOP, 2005. PROCEEDINGS. 34TH WASHINGTON, DC, USA 19-21 OCT. 2005, PISCATAWAY, NJ, USA, IEEE, 19 October 2005 (2005-10-19) - 21 October 2005 (2005-10-21), pages 218 - 223, XP010905631, ISBN: 978-0-7695-2479-5
- ROBERT D. SNELICK, MICHAEL D. INDOVINA; JAMES H. YEN; ALAN MINK: "Multimodal Biometrics: Issues in Design and Testing", PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON MULTIMODAL INTERFACES, 5TH, ACM, 1 November 2003 (2003-11-01) - 7 November 2003 (2003-11-07), XP055210380

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Designated extension state (EPC)

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