

Title (en)  
BIOMETRIC AUTHENTICATION METHOD

Title (de)  
BIOMETRISCHES AUTHENTIFIKATIONSVERFAHREN

Title (fr)  
Pseudonymes biométriques d'un modèle de taille fixe

Publication  
**EP 2344979 A1 20110720 (EN)**

Application  
**EP 09749134 A 20091112**

Priority  
• EP 2009065071 W 20091112  
• EP 08169061 A 20081113  
• EP 09749134 A 20091112

Abstract (en)  
[origin: EP2187338A1] The present invention discloses a method for generating a biometric pseudonym, comprising the following steps: - selecting a set of zones of a biometric template, - projecting each selected template zone on an error-correcting code, to produce a set of projected template zone, - applying on each projected template zone a mathematical one-way transformation. Additionally, the present invention discloses a procedure comprising the following steps: - acquiring a plurality of biometric raw data, each one being from a different class, - producing an enrolled biometric template from each enrolled biometric raw data, - producing an enrolled biometric pseudonym from each enrolled biometric template, - storing, for each selected template zone of each enrolled biometric template: #c a class identifier, #c the difference vector between the selected template zone and the projected template zone, #c the transformed zone, #c the shape of the selected template zone, #c the dimensions of the selected template zone, and #c the position of the selected template zone.

IPC 8 full level  
**G06K 9/00** (2006.01); **G06K 9/64** (2006.01); **H04L 9/00** (2006.01)

CPC (source: EP US)  
**G06V 10/751** (2022.01 - EP US); **G06V 40/18** (2022.01 - EP US)

Citation (search report)  
See references of WO 2010055104A1

Citation (examination)  
• "D3.16: Biometrics: PET or PIT?", 20 August 2009 (2009-08-20), XP055052860, Retrieved from the Internet <URL:http://www.fidis.net/fileadmin/fidis/deliverables/new\_deliverables2/fidis-WP3-del3.16-biometrics-PET-or-PIT.PDF> [retrieved on 20130208]  
• FLORENT WENGER: "BioCrypt Project, light version", 1 August 2008 (2008-08-01), XP055053237, Retrieved from the Internet <URL:https://pdb.bfh.ch/pdbwebinterface/download.aspx?imgId=1eae31eb-3b59-466c-824c-69f5baab5955> [retrieved on 20130213]

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**EP 2187338 A1 20100519**; EP 2344979 A1 20110720; WO 2010055104 A1 20100520

DOCDB simple family (application)  
**EP 08169061 A 20081113**; EP 09749134 A 20091112; EP 2009065071 W 20091112