Title (en)

METHOD OF IDENTIFYING FACES FROM FACE IMAGES AND CORRESPONDING DEVICE AND COMPUTER PROGRAM

Title (de)

VERFAHREN ZUM IDENTIFIZIEREN VON GESICHTERN AUS GESICHTSBILDERN UND ENTSPRECHENDE EINRICHTUNG UND COMPUTERPROGRAMM

Title (fr)

PROCEDE D'IDENTIFICATION DE VISAGES A PARTIR D'IMAGES DE VISAGE, DISPOSITIF ET PROGRAMME D'ORDINATEUR CORRESPONDANTS

Publication

EP 1864242 A1 20071212 (FR)

Application

EP 06708817 A 20060328

Priority

- EP 2006061109 W 20060328
- FR 0503047 A 20050329

Abstract (en)

[origin: WO2006103240A1] The invention relates to a method of identifying faces from face images, known as query images, which are associated with at least one person. One such identification method comprises a training phase using training images and a recognition phase, enabling faces that appear on query images to be identified. According to the invention, the training phase comprises at least one image-filtering step which is carried out using a group of at least two training face images which are associated with said at least one person, thereby enabling the selection of at least one training image that is representative of the face to be identified. The above-mentioned recognition phase uses only the training images selected during the training phase. One such image-filtering step is performed using at least one of the thresholds belonging to the group comprising: a maximum distance (DRC_{max}) taking account of the membership of vectors that are associated with at least some of the aforementioned images to a cloud formed by said vectors; and a maximum distance (DO_{max}) between the vectors and the reconstructed vectors after said vectors have been projected onto a space that is associated with the vector cloud.

IPC 8 full level

G06K 9/00 (2006.01); **G06V 10/764** (2022.01)

CPC (source: EP US)

G06F 18/2135 (2023.01 - US); **G06F 18/2433** (2023.01 - EP US); **G06V 10/764** (2022.01 - EP US); **G06V 10/7715** (2022.01 - EP US); **G06V 40/172** (2022.01 - EP US)

Citation (search report)

See references of WO 2006103240A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2006103240 A1 20061005; CN 101171599 A 20080430; EP 1864242 A1 20071212; FR 2884007 A1 20061006; JP 2008537216 A 20080911; US 2008279424 A1 20081113

DOCDB simple family (application)

EP 2006061109 W 20060328; CN 200680014945 A 20060328; EP 06708817 A 20060328; FR 0503047 A 20050329; JP 2008503505 A 20060328; US 91015806 A 20060328