Title: FACE RECOGNITION USING FACE DETECTION CLASSIFIER DATA

Figure 3

Abstract: A face recognition technique includes using a multi-classifier face detector to determine above a threshold probability that region of an image includes a face. Further probability values are determined for a set of classifiers for the region to provide a recognition profile. Face detection and recognition probabilities are determined for at least one classifier of the set. The recognition profile is compared against a predetermined recognition profile to determine a degree of match.
A. CLASSIFICATION OF SUBJECT MATTER

INV. G06K9/00

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)

G06K

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

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

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim
|
|----------|---------------------------------------------------------------------------------|------------------|
| X        | Vaishak Belle: "Detection and Recognition of Human Faces using Random Forests for a Mobile Robot"[Online], April 2008 (2008-04), pages 1-104, XP002579603 RNTH Aachen, DE MASTER OF SCIENCE THESIS Retrieved from the Internet: URL: http://thomas.desel.aers.de/teaching/files/belle_master.pdf> [retrieved on 2010-04-29] Section 5.7 Chapters 3-5 | 1,4-6,14 |

Further documents are listed in the continuation of Box C

See patent family annex

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"I" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"Z" document member of the same patent family

Date of the actual completion of the international search | Date of mailing of the international search report

29 April 2010 | 07/06/2010

Name and mailing address of the ISA/
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Authorized officer

Al ecu, Teodor Iulian
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