Title (en)
WIDE FIELD OF VIEW/NARROW FIELD OF VIEW RECOGNITION SYSTEM AND METHOD

Title (de)
ERKENNUNGSSYSTEM MIT WEITEM UND ENGEN SICHTFELD UND VERFAHREN

Title (fr)
SYSTEME ET PROCEDE DE RECONNAISSANCE A CHAMP DE VISION GRAND ANGULAIRE ET PETIT ANGULAIRE

Publication
EP 0865637 A4 19990818 (EN)

Application
EP 96942113 A 19961204

Priority
- US 9619132 W 19961204
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- US 2303796 P 19960802
- US 2765396 P 19961004

Abstract (en)
[origin: WO9721188A1] A recognition system which obtains and analyzes images of at least one object in a scene comprising a wide field of view (WFOV) imager (10, 12) which is used to capture an image of a scene and to locate the object and a narrow field of view (NFOV) imager (14) which is responsive to the location information provided by the WFOV imager and which is used to capture an image of the object (56), the image of the object having a higher resolution than the image captured by the WFOV imager is disclosed. In one embodiment, a system that obtains and analyzes images of the irises of eyes of a human or animal in an image with little or no active involvement by the human or animal is disclosed. A method of obtaining and analyzing the images of at least one object in a scene comprising capturing a wide field of view image of the object to locate the object in the scene; and then using a narrow field of view imager responsive to the location information (54) provided in the capturing step to obtain a higher resolution image of the object is also disclosed.

IPC 1-7
G06K 9/00

IPC 8 full level
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CPC (source: EP)
G06V 40/166 (2022.01); **G06V 40/171** (2022.01); **G06V 40/19** (2022.01)

Citation (search report)
- [AX] HASEGAWA O ET AL: "REAL-TIME PARALLEL AND COOPERATIVE RECOGNITION OF FACIAL IMAGES FORAN INTERACTIVE VISUAL HUMAN INTERFACE", PROCEEDINGS OF THE IAPR INTERNATIONAL CONFERENCE ON PATTERN RECOGNITION, JERUSALEM, OCT. 9 - 13, 1994 CONFERENCE C: SIGNAL PROCESSING / CONFERENCE D: PARALLEL COMPUTING, vol. 3, no. CONF. 12, 9 October 1994 (1994-10-09), INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, pages 384 - 387, XP000509979
- [A] SEITZ P ET AL: ""THE DIGITAL DOORKEEPER" - AUTOMATIC FACE RECOGNITION WITH THE COMPUTER", PROCEEDINGS OF THE ANNUAL INTERNATIONAL CARNAHAN CONFERENCE ON SECURITY TECHNOLOGY, TAIPEI, OCT. 1 - 3, 1991, no. CONF. 25, 1 October 1991 (1991-10-01), INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, pages 77 - 83, XP000300411
- See references of WO 9721188A1

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