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(54) Title: METHOD AND APPARATUS FOR DESIGNING IRIS BIOMETRIC SYSTEMS FOR USE IN MINIMALLY

(57) Abstract: A method and apparatus for designing an iris biometrics system that operates in minimally constrained settings. The image acquisition system has fewer constraints on subjects than traditional methods by extending standoff distance and capture volume. The method receives design parameters and provides derived quantities that are useful in designing an image acquisition system having a specific set of performance requirements. Exemplary scenarios of minimally constrained settings are provided, such as a high volume security checkpoint, an office, an aircraft boarding bridge, a wide corridor, and an automobile.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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USPC: 382/115,117
 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)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 6,424,727 B1 (MUSGRAVE et al) 23 July 2002 (23.07.2002), columns 7-10.	1-5, 7-8, 14-18 ----- 6, 9-13, 19
Y	US 5,481,622 A (GERHARDT et al) 02 Januray 1996 (02.01.1996), column 7, lines 31-41.	9-12
Y	US 6,320,610 B1 (VAN SANT et al) 20 November 2001 (20.11.2001), column 11, ines 15-30	6. 13 and 19

Further documents are listed in the continuation of Box C. See patent family annex.

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"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		

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