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pon Soken, Inc., of 14, Iwaya, Shimohasumi-cho, Nishio, Aichi 445-0012 (JP).

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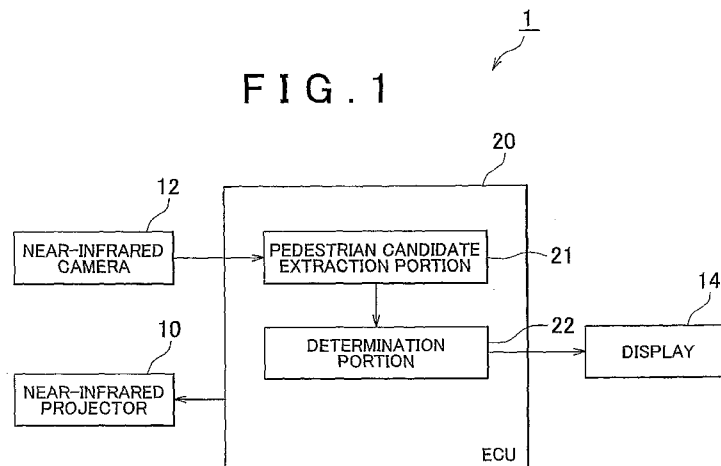
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(54) Title: PEDESTRIAN DETECTION DEVICE AND PEDESTRIAN DETECTION METHOD



(57) Abstract: A near-infrared night vision device (1) to which a pedestrian detection device is applied includes a near-infrared projector (10), a near-infrared camera (12), a display (14) and an ECU (20). By executing programs, the ECU (20) constitutes a pedestrian candidate extraction portion (21) and a determination portion (22). The pedestrian candidate extraction portion (21) extracts pedestrian candidate regions from near-infrared images. The determination portion (22) normalizes the sizes and the brightnesses of the pedestrian candidates extracted by the pedestrian candidate extraction portion (21), and then computes the degrees of similarity between the normalized pedestrian candidates. The determination portion (22) determines that a pedestrian candidate having two or more other pedestrian candidates whose degrees of similarity with the pedestrian candidate is greater than or equal to a predetermined value is not a pedestrian.

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## INTERNATIONAL SEARCH REPORT

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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 data base 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 No.
A	US 2005/111698 A1 (KAWAI AKIO [JP]) 26 May 2005 (2005-05-26) abstract; figures 4,8 -----	1-7
A	WO 2005/002921 A (SARNOFF CORP [US]; FORD MOTOR CO [US]; HIRVONEN DAVID [US]; CAMUS THEO) 13 January 2005 (2005-01-13) abstract -----	1-7
P,A	EP 1 760 632 A (FUJI HEAVY IND LTD [JP]) 7 March 2007 (2007-03-07) abstract; figures -----	1-7



Further documents are listed in the continuation of Box C.



See patent family annex.

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"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

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Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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