

Title (en)

SURVEILLANCE SYSTEM AND METHOD FOR DETECTING BEHAVIOR OF GROUPS OF ACTORS

Title (de)

ÜBERWACHUNGSSYSTEM UND -VERFAHREN ZUR ERKENNUNG DES VERHALTENS VON AKTEURGRUPPEN

Title (fr)

SYSTÈME ET PROCÉDÉ DE SURVEILLANCE PERMETTANT DE DÉTECTER LE COMPORTEMENT DE GROUPES D'ACTEURS

Publication

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Application

EP 12758666 A 20120910

Priority

- EP 11180807 A 20110909
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Abstract (en)

[origin: EP2568414A1] Electronic surveillance comprises detecting positions and motion of a plurality of detected actors in an area under surveillance. A set of rules of behavior is provided that each define at least a predicted aspect of motion of a modeled actor. At least part of the rules of behavior is specified dependent on position and/or motion of the modeled actor relative to a further actor. For each of the rules of behavior whether said aspect of motion and the position and/motion of a first one of the detected actors relative to a second one of the detected actors, when used as the position and/motion of the modeled actor satisfy the rule of behavior. As a result of detection actors that have been detected to participate in a rule may be marked on a display screen that shows an image of the area under surveillance, measures such as opening of doors may be controlled in the area or an alert may be generated if a rule is found to be satisfied.

IPC 8 full level

G06K 9/00 (2006.01)

CPC (source: EP)

G06V 20/52 (2022.01)

Citation (search report)

See references of WO 2013036129A1

Citation (examination)

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- LUIS M FUENTES ET AL: "Tracking-based event detection for CCTV systems", PATTERN ANALYSIS AND APPLICATIONS, SPRINGER-VERLAG, LO, vol. 7, no. 4, 1 December 2004 (2004-12-01), pages 356 - 364, XP019381470, ISSN: 1433-755X, DOI: 10.1007/S10044-004-0236-Z
- KAMIJO S ET AL: "An incident detection system based on semantic hierarchy", INTELLIGENT TRANSPORTATION SYSTEMS, 2004. PROCEEDINGS. THE 7TH INTERNATIONAL IEEE CONFERENCE ON WASHINGTON, DC, USA OCT. 3-6, 2004, PISCATAWAY, NJ, USA, IEEE, 3 October 2004 (2004-10-03), pages 853 - 858, XP010772224, ISBN: 978-0-7803-8500-9, DOI: 10.1109/ITSC.2004.1399015

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