

Title (en)

Process and device for monitoring a three-dimensional scene using imagery sensors

Title (de)

Verfahren und Vorrichtung zur Überwachung einer dreidimensionalen Szene unter Verwendung von Bildsensoren

Title (fr)

Procédé et dispositif de surveillance d'une scène tridimensionnelle, mettant en oeuvre des capteurs d'imagerie

Publication

EP 0577491 B1 19990317 (FR)

Application

EP 93401661 A 19930628

Priority

FR 9207977 A 19920629

Abstract (en)

[origin: EP0577491A1] The method makes it possible to monitor a three-dimensional scene and to detect anomalies. A three-dimensional, geometric reference model of the said scene is constituted associating, with each scene, corresponding points in the field of at least two sensors placed at a distance from one another and sensitive to a radiometric parameter (such as the brightness) of the scene. The real scene is periodically synthesized on the three-dimensional geometric model, on the basis of each of the representations thereof which are supplied by the sensors. On that basis, the synthesized scenes are compared to each other in order to reveal discrepancies due to a modification of the 3D model which are of a size greater than a defined value. <IMAGE>

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IPC 8 full level

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CPC (source: EP)

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Cited by

DE10050083A1; GB2352859A; CH691151A5; EP0853299A3; EP3112900A1; DE19621612A1; DE19621612C2; US6816186B2; US7116799B2; WO9704428A1; WO9924949A1; WO9840855A1; WO9534056A1; WO2006008292A1; WO0221473A3

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