

Title (en)

APPARATUS AND METHOD FOR GENERATING SYNTHETIC AND ABSOLUTE REAL TIME ENVIRONMENTS

Title (de)

GERÄT UND VERFAHREN ZUR ERZEUGUNG VON KÜNSTLICHEN UND ABSOLUTEN ECHTZEITUMGEBUNGEN

Title (fr)

APPAREIL ET DISPOSITIF PERMETTANT DE REALISER DES ENVIRONNEMENTS DE SYNTHESE ET EN TEMPS REEL ABSOLU

Publication

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Application

EP 96936432 A 19961010

Priority

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Abstract (en)

[origin: WO9714253A1] An apparatus for generating synthetic and absolute real time environments within an enclosed real environment such as in a cyclorama (3, 4). The apparatus includes a plurality of transmitters (62) mounted in a fixed known, and spaced-apart locations outside of the real environment. Each of the transmitters are capable of transmitting an electromagnetic signal into the real environment. A camera (2), capable of moving in a plurality of dimensions within the environment, is located within the real environment for capturing a real image of the real environment. A receiver movable with said camera is capable of receiving the electromagnetic signals from the plurality of transmitters. Finally, a camera positioning processing device is linked to the receiver for calculating the location of the camera within the real environment in response to the electromagnetic signals received from the plurality of transmitters. A computer generation system can then utilize this location data to synchronize the real image captured by the camera with a synthetic image generated by the computer.

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- No further relevant documents disclosed
- See references of WO 9714253A1

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