

Title (en)
VIRTUAL OBJECTS IN A REAL 3-D SCENARIO

Title (de)
VIRTUELLE OBJEKTE IN EINEM REALEN 3D-SZENARIO

Title (fr)
OBJETS VIRTUELS DANS UN DÉCOR 3D RÉEL

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Application
EP 14741267 A 20140715

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Abstract (en)
[origin: CA2917582A1] The invention relates to a method for simulating real combat operations in a scenario for exercise purposes with persons and at close range. In said method, exercise participants having exercise weapons compete against each other and the real operation events of the exercise participants during the exercise are recorded by imaging systems and computed as a 3-D model, which changes in quasi real time. A weapon effect is computed by means of object recognition of the weapon, by means of the state change and orientation during a shot, and by means of the objects located in an effective direction and injury models of said objects and is indicated. The method is characterised in that, before an exercise start, for all relevant individual objects of the scenario, three-dimensional models of said individual objects in the intact, hit, and destroyed states of said individual objects and animations of the corresponding state transitions of said individual objects including the associated acoustic effects are produced and are stored in a database.

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