

ABSTRACT**Installation for simulating the state of radio communications between entities engaged into an operation**

The installation for simulating the state of radio communications between entities includes a generator of entities (220) giving the possibility of defining a set of entities engaged into the operation; means (240) for elaborating a scenario able to describe the sequencing of actions to be carried out in the operation; a radio traffic generator (260) able to simulate the radio traffic between the different entities; a module (200) for simulating the operation able to execute the scenario and define the consequences of the actions provided by the scenario and to integrate these consequences into the following course of the scenario; and a module (520) for restoring the state during the period of radio communications between entities engaged into the simulated operation.

The installation includes a matrix of exchanges (280) defining the policy and the rules of exchanges between the entities, means (240, 300, 310) for assigning to each entity (302A, 302B, 302C), processes grouped as jobs defining successive activities to be applied during the course of the scenario, each activity providing the application of specific communications, and means (260) for simulating for each activity the specific communications for each entity during the course of the scenario.

Fig. 2.