SUMMARY OF THE INVENTION

The invention provides a solution to the above problems.

The invention relates to a device for simulation of mechanical functions of a weapon. According to an aspect, there is provided a device for simulation of mechanical functions of a real weapon, comprising a bolt simulator for simulating the mechanical movements of the weapon bolt and a reload simulator for simulating the function of a reload handle of the real weapon. The device is adapted to be arranged on a real weapon to simulate the mechanical functions of a real weapon.

The weapon bolt simulator may be adapted to be mounted as a bolt inside the real weapon. The reload handle simulator may be adapted for activation of the weapon bolt simulator to a first position ready for firing the weapon. The weapon bolt simulator may further be adapted for activation of a hammer of the real weapon. The weapon bolt simulator may include a weapon hammer detector for detecting the movement of the weapon hammer. The weapon hammer detector may be adapted upon firing of a shot, for activation of simulated movements and functions as performed by a real bolt. The weapon bolt simulator may further be adapted for resetting the real hammer of the weapon to a cocked position to simulate the function of a real bolt. The weapon bolt simulator may be adapted to be arranged in a forward position ready to carry out a new bolt sequence. The weapon bolt simulator may further include a burst activator device for simulating a burst mode. The device may include a reload handle detector adapted to be activated by the hammer.

The device may include an electronic sound generator. A contact unit may provide an electric connection between the weapon bolt simulator and an electronic magazine. The electronic magazine may include batteries, electronics, and an electronic sound generator. The electronic magazine may be adapted to be mountable in a magazine well of the real weapon. The weapon hammer detector may be arranged on the contact unit. The device may comprise a muzzle flash simulator for simulating the muzzle flash through the barrel of the weapon. The muzzle flash simulator may further include a light reflecting arrangement arranged