

ABSTRACT OF THE DISCLOSURE

5 The simulation system is used in the course of firing exercises, in particular
with a laser beam, for simulating conditions which would arise if actual ammunition
were used. For identifying a response device (2), a transmitting device (1)
transmits a coded radiation, which is detected in the responder device and is
converted into electrical signals, which are supplied to a central unit (25) on the
receiving end for transmitting identification messages back to the transmitting
10 device in accordance with decisions made by this central unit (25). The
transmitting device generates laser radiation or electromagnetic pulses or pulse
bursts containing information which is coded in such a way that the response
pulses being sent back by the responder device to the transmitting device
additionally enable a central unit (15) on the transmitting end to calculate the
15 distance between the transmitting device and the responder device.

(Figs. 1, 2)

