

Firearm Analysis Device

Abstract

The invention relates to a firearm analysis device for determining parameters which are indicative for a firearm (7) from a shot which has been discharged from the weapon, as well as a corresponding method, a corresponding firearm and a computer program product. The device comprises a voltage generating unit (401) which generates an alternating voltage (U_e) during a counterrecoil travel and/or recoil travel of a movable weapon part (120) occurring during a firing. The device is characterized by a signal processing unit (410) which generates a measurement signal (IN_+) from the generated AC voltage (U_e), a signal evaluation unit (420) which determines a first time point and a second time point (t_{701} - t_{705} , t_{702} - t_{706}) during the counterrecoil travel and/or recoil travel of the movable weapon part (120), and a time determination unit (450) which determines a time period duration between the first time point and the second time point (t_{701} - t_{705} , t_{702} - t_{706}).

Fig. 1