blank shot, the hammer returns. Schematically, the electronic circuit and the recoil sensor are likewise represented.

[0001] Legend

(1) Magnet

(2) Weapon part or hammer

(3) Rod with the hammer spring

(4) Armature or coil

(5) Electronic circuit

(6) Acceleration sensor

(7) Trigger

(8) Striker

Summary of the invention

[0002] According to the invention, the electronic circuit can be energized by battery or by energy recuperation. In order to avoid any confusion in the text, it shall be stipulated that, in the former case, reference is made to the circuit being awakened after an a priori movement and, in the latter case, reference is made to the circuit being energized after an a priori movement. Likewise, it shall be mentioned that the circuit is awakened or energized when the speed of displacement of the part of the weapon exceeds a critical speed. It is obvious that this critical reference value may be expressed in the form of an energy threshold, rather than in the form of a speed threshold.

[0003] The present invention is more particularly detailed for a detection system based on a magnet and coil pair. By coil is meant a simple winding or a more complex arrangement, such as one comprising several windings interconnected head to tail. Likewise, for the magnet, this may be a simple monobloc magnet or a more complex magnet structure. It is moreover conceivable that the system is devised so that the axis of the magnet is perpendicular to the direction of the movement being detected.

[0004] The present invention pertains to a device for counting live bullet shots, blank shots, and dry-firing actuation of the striker for every type of weapon, said device being able to discriminate among these three events and comprising:

- an electronic circuit,
- a first sensor designed to detect a movement of a part of the weapon preceding a potential live bullet shot or a blank shot,
- a second sensor designed to measure a recoil acceleration when the live bullet shot or blank shot has been fired.

[0005] According to particular embodiments of the invention, the device comprises at least one or a suitable combination of the following characteristics:

- the electronic circuit is configured to be awakened or energized on the basis of the detection of a movement by the first sensor;
- the awakening or the energizing of the electronic circuit only occurs if the part of the weapon has a speed of displacement greater than a reference speed;