CLAIMS

1. A turret (**2**) capable to be mounted on an armored vehicle, comprising a barrel system covering calibers higher than 20mm, and having a barrel liner (**4**), a mask (5) and a protective tube (**3**) which dampens impacts and vibrations, connected to the barrel liner (**4**) at a junction with the mask (**5**) of the turret (**2**) and comprising a rigid and interchangeable interface system (**1**) configured to attach a piece of functional equipment to the turret (**2**), said piece of functional equipment comprising at least an aiming system (**10**), the interface system (**1**) being fastened on the protective tube (**3**) which dampens impacts and vibrations such that the interface system (**1**) is placed in a plane perpendicular to the longitudinal axis of the barrel system, said turret (**2**) being characterized in that the interface system (**1**) comprises, in the following predefined order:

- an essentially semi-circular or semi-cylindrical enclosure (**6**) serving as a support surrounding said protective tube (**3**) against the impacts and vibrations,
- a base (**7**) attached to said enclosure (**6**),
- a plate (**8**) over said base (**7**),
- a support (**9**) fastened perpendicular to said plate (**8**).

2. The turret (**2**) according to claim 1, characterized in that fastening is done by a screw and/or bolt system.

3. The turret (**2**) according to claim 1, characterized in that the aiming system (**10**) is fastened to the support (**9**) of the interface system (**1**) by a screw and/or bolt system.

4. The turret (**2**) according to claim 1, characterized in that the aiming system (**10**) is also situated in the plane perpendicular to the longitudinal axis of the barrel system, the aiming system (**10**) having an optical axis parallel or slightly inclined relative to the longitudinal axis of the barrel system so that the target can be kept in the field of view of the aiming system.

5. The turret (**2**) according to claim 1, characterized in that the interface system (**1**) is inserted in a location where the impacts and vibrations experienced by said interface system (**1**) are of the lowest intensity in the turret (**2**) or the barrel system (**4**).

6. The turret (**2**) according to claim 1, characterized in that the dimensions of the protective tube (**3**) and different component elements (**6**, **7**, **8**, **9**) of the interface system (**1**) can vary based on the nature of the aiming system (**10**).

7. A turret (**2**) according to claim 1, characterized in that the barrel system of the turret is capable of moving either vertically or horizontally, or both at the same time, while the movement is done in four specific scenarios, respectively: a first scenario with static vehicle and turret, a second scenario with vehicle stopped and turret rotating, a third scenario with vehicle moving and turret stationary, and a fourth scenario with vehicle and turret both moving.