ARMOURED MILITARY VEHICLE

Ideas on utilisation

The body shell (made of armour plate) is V-shaped. This ensures the proper rigidity of the body in case of detonation of a charge under the vehicle, as well as during the explosion of a charge detonated from the side. In addition, the inclined side walls increase the resistance to bullet penetration.

The body shell is mounted on the Mercedes Benz Unimog 5000 chassis using the fixing system integrated with the shell. This system consists of a set of fixing that allows free deformation of the vehicle frame during terrain driving.

The interior of the vehicle has a set of fixing rails that allows quick mounting of the seats and other equipment, such as a stretcher for transporting injured persons. The vehicle was equipped with prototype seats, equipped with 4-point seat belts and an energy absorbing system during the explosion.

Our solutions can be used for the production of military vehicles.

Potential adopters of technology

All solutions included in the offer are applied in the production of military (armoured) vehicles. However individual elements such as the body fixing system can be used for production of vehicles mounted on the frame and the seats can be used to equip all types of vehicles.

Advantages of technology

There are many benefits, e.g. increased safety, greater durability of vehicles, can be used in vehicles already produced, allows for easy, quick assembly/disassembly of the body without specialised equipment.

Market and context of technology

The main recipients are governments in Europe and Asia.

Preconditions in adopting enterprises

There is a possibility of small changes in the approach to technology, adapted to the requirements of the recipient

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