

BALLISTIC GRILLE FOR SPECIAL PURPOSE VEHICLE

ABSTRACT

The ballistic beam according to this invention consists of an inner core (14) (22) having kinetic energy absorbing strength and an outer shell (16) having shock absorbing property which entirely surrounds the core (14). The core (14) is made of steel or other alloys of iron, other metal, metal alloys, cermets, ceramics, fabrics or combinations thereof that are either treated or untreated. The outer shell (16) is made of glass fiber, carbon, aramid, polyamid, polyester, polyethelene or hybrids of these materials. The ballistic beam (22) of the invention effectively prevents bullets or splinters from penetrating inside the vehicle (12) and the ballistic beam (22) is of reduced weight.

Fig 2