

# Pedestrian protective front bumper structure

Safety



CAR COMP. BODYWORK

KEYWORDS

- ▶ Bumper
- ▶ Pedestrian
- ▶ Passive safety
- ▶ Injuries

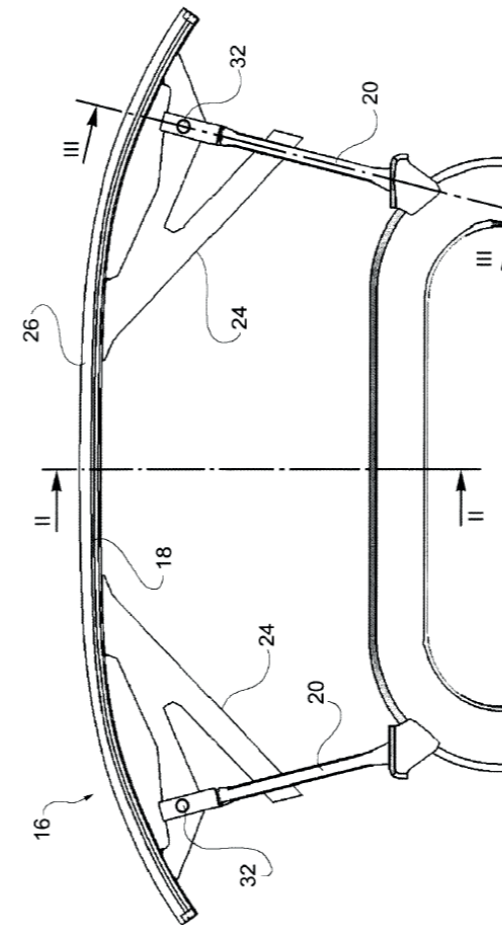


## Innovations/advantages

Front bumper system which occupies less space;  
Reinforcement structure with uniform stiffness in the transverse direction;  
Efficient absorption of impact energy and resulting reduction in the severity of pedestrian leg injuries, independently of the impact position on the bumper.

## Application field

Ground vehicles



>homologation requirements checked



Lower Leg

Upper Leg

Head Adult/Child

## Product insight

- *Driven by a safety-first approach, the Italdesign lab has invented the Pedestrian Protecting Front Bumper Structure. In the unfortunate event of an impact between a motor vehicle and pedestrian, the front bumper structure can reduce the severity of injuries to the legs and efficiently absorb the impact energy.*

## Patent Information

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National patent filings

Contact:

[italdesigntoipr@italdesign.it](mailto:italdesigntoipr@italdesign.it)