

Pedestrian protective front bumper structure

Safety



CAR COMP.
BODYWORK



Bumper

Pedestrian

Passive safety

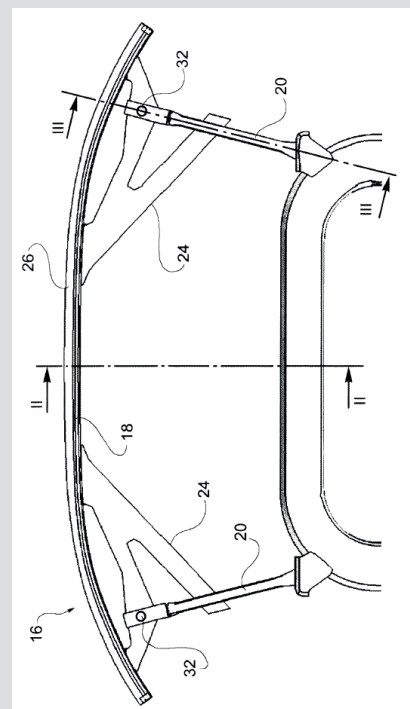
Injuries

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



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

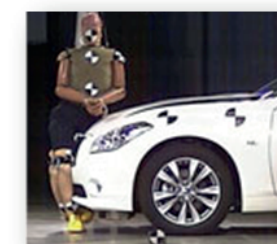
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EP1659034B1
IPR Dossier n. A06

National patent filings

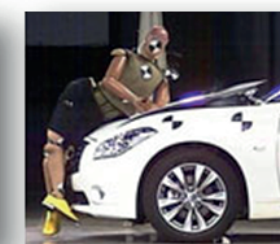


>homologation requirements checked

Pedestrian impact



Lower Leg



Upper Leg



Head Adult/Child

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italdesigntoipr@italdesign.it

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