

Title (en)
BUMPER WITH INTEGRATED ENERGY ABSORBER AND BEAM

Title (de)
STOSSFÄNGER MIT INTEGRIERTER ENERGIEAUFNEHMEVORRICHTUNG UND STANGE

Title (fr)
PARE-CHOCS COMPORTANT UN AMORTISSEUR D'ENERGIE ET UNE POUTRE INTEGRES

Publication
EP 1509423 A4 20051221 (EN)

Application
EP 03757371 A 20030606

Priority

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- US 16383802 A 20020606
- US 29412402 A 20021114

Abstract (en)
[origin: WO03104030A2] A bumper system includes a tubular beam with flattened end sections, and further includes an energy absorber having a rear recess mateably receiving the tubular beam in a nested relationship, with the recess also including flat mating surfaces engaging the flattened end sections. Mounts engage a rear of the flattened end sections, and fasteners secure the tubular beam and energy absorber to the mounts. In one modified bumper system, corner sections on the energy absorber are shaped to slidingly engage a side surface of the mount and simultaneously an end of the beam upon corner impact of the vehicle. In another modified bumper system, offset ends of the tubular beam fit into a recess in an energy absorber, with its center section being between vehicle mounts.

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IPC 8 full level
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Citation (search report)

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- See references of WO 03104030A2

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