

Title (en)  
Safety arrangement for vehicle doors

Title (de)  
Sicherheitsanordnung für Fahrzeugtüren

Title (fr)  
Agencement de sécurité pour portes de véhicules

Publication  
**EP 1054128 B1 20040407 (EN)**

Application  
**EP 00850089 A 20000518**

Priority  
SE 9901899 A 19990521

Abstract (en)  
[origin: EP1054128A2] A safety arrangement for vehicle doors (2) which are operated by a pressure medium, which arrangement limits the risk of a person's becoming trapped in a bus door with consequent risk of personal injury. The invention brings about a temporary reduction in the air pressure in the door machinery (14). The pressure is reduced during the door closing process and reverts to full pressure when the vehicle exceeds a certain limit speed. This function reduces the risk of injury and makes it easier for someone who becomes trapped, e.g. between door and bodywork while alighting, to free him/herself. It is also possible for another passenger to push the door open and free the trapped person. The desired function is achieved by leading the pressure medium from the pressure tanks (3) to the door machinery (14) via a pressure limiting valve (10) at the time of door opening and by thereafter allowing the air to flow through a different clear passage (11,13), resulting in full pressure, when the doors have closed and the vehicle has reached a certain speed. <IMAGE>

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Cited by  
CN1325740C; EP2858618A4; NL1025679C2; EP1715127A1; CN104290686A; JP2016014473A; US7603813B2; US7654039B2; US7489095B2; WO03097977A1

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