

Title (en)  
Vehicle door

Title (de)  
Fahrzeugtür

Title (fr)  
Porte de véhicule

Publication  
**EP 0978615 A3 20000405 (DE)**

Application  
**EP 99114741 A 19990728**

Priority  
DE 19835698 A 19980807

Abstract (en)  
[origin: EP0978615A2] The vehicle door, especially for mass prodn. automobiles, has a swing limit stop (10) between the axis (A) of the door hinge (4) and the zone of the door panel (6,8) away from the hinge. A mechanism holds the door against a swing movement, when the door is open, and is triggered to close the door using a hydraulic or mechanical door closing stop (24,26,30).

IPC 1-7  
**E05C 17/08**; **E05C 17/30**

IPC 8 full level  
**E05C 17/08** (2006.01); **E05C 17/30** (2006.01); **E05C 17/16** (2006.01)

CPC (source: EP)  
**E05C 17/085** (2013.01); **E05C 17/305** (2013.01); **E05C 17/16** (2013.01)

Citation (search report)  
• [XY] US 2076860 A 19370413 - EDWIN NORTH  
• [YA] US 3337253 A 19670822 - LAUKZEMIS DANIEL A  
• [X] US 2242041 A 19410513 - EDWIN NORTH  
• [XA] EP 0391238 A2 19901010 - DEERE & CO [US]  
• [A] DE 4436271 C1 19950928 - BILSTEIN AUGUST GMBH CO KG [DE]  
• [A] US 5358225 A 19941025 - VOELPEL STEFAN [DE], et al

Cited by  
EP1722054A1; FR2948141A1; US7516514B2; US10145164B2; US7673929B2; US8020918B2

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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