

Title (en)  
SELF STABILIZING CAMBERING VEHICLE.

Title (de)  
BEI NEIGUNG SICH SELBST STABILISIERENDES FAHRZEUG.

Title (fr)  
VEHICULE A INCLINAISON AUTO-STABILISANTE.

Publication  
**EP 0247093 A4 19880406 (EN)**

Application  
**EP 86906722 A 19861117**

Priority  
AU PH342585 A 19851115

Abstract (en)  
[origin: WO8702951A1] Three or four wheeled vehicle which leans into corners so as to remain stable even when the vehicle has a narrow track. The steering mechanism is such that leaning of the vehicle to either respective side of the vertical causes the front steering wheels (10) to turn in the same steering direction, e.g. a lean to the left causes an anticlockwise, when viewed from above, turning of the front wheels (10). The front wheels (10) can be supported on a parallelogram linkage system (17, 18) so that the steering axis (16) of the wheels (10) remain parallel with the vehicle body as the vehicle leans. Steering can be controlled through a steering wheel (14) which, disregarding the influence of body lean, turns the front wheels (10) in a steering direction relative to the turn of the steering wheel which is opposite in sense, e.g. an anticlockwise turn of the steering wheel (14) produces a clockwise turn, when viewed from above, of the front wheels (10). In order to produce a predetermined steering characteristic the ratio between the angle of lean of the vehicle and the responsive angle of turn of the front wheels (10) varies with the forward velocity of the vehicle.

IPC 1-7  
**B62D 9/02**

IPC 8 full level  
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Citation (search report)

- No relevant documents have been disclosed.
- See references of WO 8702951A1

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI LU NL SE

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