

Title (en)  
Vehicle for electric toy or model railways

Title (de)  
Fahrzeug für elektrische Spiel- und Modellbahnen

Title (fr)  
Véhicule pour trains électriques miniatures

Publication  
**EP 0630670 B1 19970528 (DE)**

Application  
**EP 94104832 A 19940326**

Priority  
DE 4320989 A 19930624

Abstract (en)  
[origin: DE4320989C1] A vehicle for electrical toy and model railways has a truck body which is suspended in an oscillating manner, via run-up ramps, on structures of the bogies which pass through its base, in such a manner that the pivot angle is automatically and proportionately controlled by the twisting of the bogies during cornering, wherein, in one bogie, the structures and the truck body are provided with curved grooves or suspension pins engaging horizontally into the latter and arranged transversely to the longitudinal axis, and the other bogie is suspended to oscillate in an unguided manner on the truck body.

IPC 1-7  
**A63H 19/22**

IPC 8 full level  
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CPC (source: EP US)  
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**US 5980358 A 19991109**; AT E153546 T1 19970615; DE 4320989 C1 19940818; DE 59402886 D1 19970703; EP 0630670 A1 19941228; EP 0630670 B1 19970528; JP 2654511 B2 19970917; JP H0788254 A 19950404

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**US 26385294 A 19940622**; AT 94104832 T 19940326; DE 4320989 A 19930624; DE 59402886 T 19940326; EP 94104832 A 19940326; JP 16469394 A 19940622