

Title (en)  
FOUR-WHEEL STEERING

Title (de)  
VIERRADLENKUNG

Title (fr)  
DIRECTION À QUATRE ROUES

Publication  
**EP 4172021 A1 20230503 (EN)**

Application  
**EP 21832123 A 20210629**

Priority  

- US 202016917498 A 20200630
- US 202016917462 A 20200630
- US 202016917431 A 20200630
- US 2021039590 W 20210629

Abstract (en)  
[origin: WO2022006089A1] Four-wheel steering of a vehicle, e.g., in which leading wheels and trailing wheels are steered independently of each other, can provide improved maneuverability and stability. A first vehicle model may be used to determine trajectories for execution by a vehicle equipped with four-wheel steering. A second vehicle model may be used to control the vehicle relative to the determined trajectories. For instance, the second vehicle model can determine leading wheels steering angles for steering leading wheels of the vehicle and trailing wheels steering angles for steering trailing wheels of the vehicle, independently of the leading wheels.

IPC 8 full level  
**B60W 60/00** (2020.01); **B60W 10/20** (2006.01); **B60W 30/095** (2012.01); **B62D 7/10** (2006.01)

CPC (source: EP)  
**B60W 10/20** (2013.01); **B62D 6/002** (2013.01); **B62D 7/159** (2013.01); **B62D 15/025** (2013.01); **B60W 40/103** (2013.01); **B60W 2050/0008** (2013.01); **B60W 2050/0012** (2013.01); **B60W 2050/0031** (2013.01)

Designated contracting state (EPC)  
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Designated extension state (EPC)  
BA ME

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**WO 2022006089 A1 20220106**; CN 115803242 A 20230314; EP 4172021 A1 20230503; JP 2023532091 A 20230726

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