

Title (en)
SELF-STEERING PLATFORM CAR

Title (de)
FAHRZEUG MIT SELBSTLENKENDEM AUFBAU

Title (fr)
WAGON PLATE-FORME AUTODIRECTEUR

Publication
EP 2184214 B1 20170405 (EN)

Application
EP 08791812 A 20080729

Priority
• JP 2008063577 W 20080729
• JP 2007196987 A 20070730

Abstract (en)
[origin: EP2184214A1] Problem to be Solved A self steering truck having excellent turning performance is provided. Solution A main frame (1) having a rectangular frame shape in a plan view, and sub frames (2) provided at the front and rear of the main frame (1) based on the running direction form the base structure of the self steering truck. Axles (4) and (4) of right and left drive wheels (3) and (3) are rotatably supported on the main frame (1) via axle boxes (5) and (5). The sub frame (2) includes right and left swing arms (6) and (6) whose proximal end portions are pivotably supported on the main frame (1) in a horizontal plane, and a coupling link (7) for coupling the distal end portions of the swing arms (6) and (6). The length of the coupling link (7) is equal to the length between the proximal end portions of the swing arms (6) and (6). A parallelogram link is thereby formed between the sub frame (2) and the main frame (1).

IPC 8 full level
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CPC (source: EP)
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Cited by
EP4242085A1; KR101329001B1

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