

Title (en)
Wheel-type construction machine

Title (de)
Baumaschine auf Rädern.

Title (fr)
Engin de terrassement muni de roues.

Publication
EP 1541773 A3 20051005 (EN)

Application
EP 04029058 A 20041208

Priority
JP 2003409473 A 20031208

Abstract (en)
[origin: EP1541773A2] Overturning of a vehicle on an inclined road is prevented without the function of hydraulic suspension being impaired. When the current tilt angle θ for the body (2) is equal to or smaller than the maximum tolerable tilt angle θ_m , the inflow and outflow of hydraulic oil for the respective hydraulic suspension cylinders (21) to (24) for the wheels (11) to (14) is made free. On the other hand, when the current tilt angle θ for the body (2) exceeds the maximum tolerable tilt angle θ_m , the inflow and outflow of hydraulic oil for the respective hydraulic suspension cylinders (21) to (24) for the wheels (11) to (14) is locked. In a further invention, when it has been determined that the current tilt angle θ for the body (2) exceeds the maximum tolerable tilt angle θ_m , the vehicle height is adjusted, and the posture of the body (2) is brought to near the horizontal posture so as to be equal to or smaller than the maximum tolerable tilt angle θ_m . In a still further invention, when it has been determined that the body (2) is tilted, the vehicle height is adjusted, and the posture of the body (2) is brought to near the horizontal posture until the body (2) is in the horizontal posture.
<IMAGE>

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E02F 9/24; **E02F 9/22**

IPC 8 full level
E02F 9/22 (2006.01); **E02F 9/24** (2006.01)

CPC (source: EP)
E02F 9/2217 (2013.01); **E02F 9/2228** (2013.01); **E02F 9/2257** (2013.01); **E02F 9/24** (2013.01)

Citation (search report)
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• [Y] US 5684698 A 19971104 - FUJII KAZUSHI [JP], et al
• [A] EP 0919407 A1 19990602 - KOMATSU MFG CO LTD [JP]
• [XD] PATENT ABSTRACTS OF JAPAN vol. 2002, no. 04 4 August 2002 (2002-08-04)

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