

Title (en)
TRAILER MANEUVER ASSIST SYSTEM

Title (de)
ANHÄNGERMANÖVERASSISTENZSYSTEM

Title (fr)
SYSTÈME D'AIDE À LA MANŒUVRE D'UNE REMORQUE

Publication
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Application
EP 20820311 A 20200612

Priority
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• TR 2020050505 W 20200612

Abstract (en)
[origin: WO2021173092A1] The invention relates to the assist system (100) used for the trailers which are manufactured with respect to the load to be carried comprising the 1st axle (220), the 2nd axle (221) and the 3rd axle (222) to perform the turning motion within their turning circle (R), wherein the semi-trailer comprises the load control valve (105) which, by adjusting the axle which utilizes the pressurized air within the 1st axle left air bag (1081), the 1st axle right air bag (1082), the 2nd axle left air bag (1071), the 2nd axle right air bag (1072), the 3rd axle left air bag (1061) and the 3rd axle right air bag (1062) of the vehicle (A) with respect to the load capacity that it will carry, it controls whether it is within the value limits; and pressurized air measuring device (103) which transfers the measured data via the air bag pressure measurement line (104) to the controller (102) and which measures the pressure of the pressurized airline that the 3rd axle left air bag (1061) is connected thereto.

IPC 8 full level
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Citation (search report)
• [XII] EP 2075143 A2 20090701 - WABCO GMBH [DE]
• [XAYI] US 2012187656 A1 20120726 - ALBERT LOIC [FR], et al
• [A] US 2010072720 A1 20100325 - GLAVINIC ANDELKO [DE], et al
• [XAYI] US 6240339 B1 20010529 - VON MAYENBURG MICHAEL [US], et al
• See references of WO 2021173092A1

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