

Title (en)
SYSTEM AND METHOD FOR CONTINUOUS DISTANCE MONITORING

Title (de)
SYSTEM UND VERFAHREN FÜR KONTINUIERLICHE ABSTANDSÜBERWACHUNG

Title (fr)
SYSTÈME ET PROCÉDÉ DE CONTRÔLE CONTINU DE DISTANCE

Publication
EP 3025320 A4 20170301 (EN)

Application
EP 14829947 A 20140702

Priority
• SE 1350912 A 20130724
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Abstract (en)
[origin: WO2015012757A1] A system and method for continuous distance monitoring for a host vehicle. The system comprises a radar unit that is configured so as to continuously determine a relative distance drel between the host vehicle and a vehicle ahead, and to generate a first distance signal that indicates drel; an indicating unit that is configured so as to receive data concerning the relative distance drel and continuously indicate to the driver the relative distance drel; a distance configuration unit comprising at least one input unit that is configured so as to receive input concerning a desired distance din between the host vehicle and the vehicle ahead, and to generate a second distance signal that indicates din; a first control unit that is configured so as to receive the first and the second distance signals, compare the relative distance drel to the desired distance din and, if drel is less than din, generate an alarm signal that indicates that drel is less than din and send the alarm signal to the indicating unit, wherein the indicating unit is configured so as to indicate to the driver that drel is less than din. between the host vehicle and a vehicle ahead, and to generate a first distance signal that indicates drel; an indicating unit that is configured so as to receive data concerning the relative distance drel and continuously indicate to the driver the relative distance drel; a distance configuration unit comprising at least one input unit that is configured so as to receive input concerning a desired distance din between the host vehicle and the vehicle ahead, and to generate a second distance signal that indicates din; a first control unit that is configured so as to receive the first and the second distance signals, compare the relative distance drel to the desired distance din and, if drel is less than din, generate an alarm signal that indicates that drel is less than din and send the alarm signal to the indicating unit, wherein the indicating unit is configured so as to indicate to the driver that drel is less than din. between the host vehicle and a vehicle ahead, and to generate a first distance signal that indicates drel; an indicating unit that is configured so as to receive data concerning the relative distance drel and continuously indicate to the driver the relative distance drel; a distance configuration unit comprising at least one input unit that is configured so as to receive input concerning a desired distance din between the host vehicle and the vehicle ahead, and to generate a second distance signal that indicates din; a first control unit that is configured so as to receive the first and the second distance signals, compare the relative distance drel to the desired distance din and, if drel is less than din, generate an alarm signal that indicates that drel is less than din and send the alarm signal to the indicating unit, wherein the indicating unit is configured so as to indicate to the driver that drel is less than din. between the host vehicle and a vehicle ahead, and to generate a first distance signal that indicates drel; an indicating unit that is configured so as to receive data concerning the relative distance drel and continuously indicate to the driver the relative distance drel; a distance configuration unit comprising at least one input unit that is configured so as to receive input concerning a desired distance din between the host vehicle and the vehicle ahead, and to generate a second distance signal that indicates din; a first control unit that is configured so as to receive the first and the second distance signals, compare the relative distance drel to the desired distance din and, if drel is less than din, generate an alarm signal that indicates that drel is less than din and send the alarm signal to the indicating unit, wherein the indicating unit is configured so as to indicate to the driver that drel is less than din. between the host vehicle and a vehicle ahead, and to generate a first distance signal that indicates drel; an indicating unit that is configured so as to receive data concerning the relative distance drel and continuously indicate to the driver the relative distance drel; a distance configuration unit comprising at least one input unit that is configured so as to receive input concerning a desired distance din between the host vehicle and the vehicle ahead, and to generate a second distance signal that indicates din; a first control unit that is configured so as to receive the first and the second distance signals, compare the relative distance drel to the desired distance din and, if drel is less than din, generate an alarm signal that indicates that drel is less than din and send the alarm signal to the indicating unit, wherein the indicating unit is configured so as to indicate to the driver that drel is less than din.

IPC 8 full level
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Citation (search report)
• [A] EP 0484995 A2 19920513 - GEN MOTORS CORP [US]
• [A] US 5014200 A 19910507 - CHUNDRLIK WILLIAM J [US], et al
• [A] US 6294986 B1 20010925 - LANDSIEDEL THOMAS [DE]
• See references of WO 2015012757A1

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CN107554420A; CN109747646A

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