

Title (en)
CAPACITIVE SENSOR SYSTEM

Title (de)
SYSTEM MIT EINEM KAPAZITIVEN SENSOR

Title (fr)
SYSTÈME DE CAPTEUR CAPACITIF

Publication
EP 2577867 A4 20131204 (EN)

Application
EP 11792744 A 20110607

Priority
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• SE 2011050695 W 20110607

Abstract (en)
[origin: WO2011155891A1] Capacitive sensor system for a vehicle, comprising a chassis earth, a signal generator, a signal detector and a processing unit, the signal generator being adapted to generating a sensor signal with a frequency and an amplitude applied between the chassis earth and a virtual external earth. The system comprises an earth antenna adapted to serving as the virtual external earth, electrically connected to the signal generator and so disposed on the vehicle that it is electrically insulated from the chassis earth, has a predetermined size and is situated a predetermined distance from the ground surface. The signal detector is adapted to detecting and determining a measure of the voltage potential between the chassis earth and the external virtual earth, and to generating and conveying to the processing unit a measurement signal based thereon, and the processing unit is adapted to processing the measurement signal and to conveying the processed measurement signal to an alarm system which is adapted to generating one or more alarm signals on the basis of the processed measurement signal.

IPC 8 full level
B60R 25/10 (2013.01); **B60R 25/102** (2013.01); **G08B 13/26** (2006.01); **H03K 17/955** (2006.01)

CPC (source: EP KR SE)
B60R 25/10 (2013.01 - KR); **B60R 25/1004** (2013.01 - SE); **B60R 25/102** (2013.01 - EP); **G08B 13/26** (2013.01 - KR SE); **H03K 17/955** (2013.01 - KR SE); **H03K 17/955** (2013.01 - EP)

Citation (search report)
• [X] US 6469524 B1 20021022 - OBERDIER LARRY MAX [US]
• [A] US 2010079269 A1 20100401 - HAMMERSCHMIDT DIRK [AT], et al
• [A] GB 2404443 A 20050202 - AUTOMOTIVE ELECTRONICS LTD AB [GB]
• [A] GB 2423822 A 20060906 - AUTOMOTIVE ELECTRONICS LTD AB [GB]
• [A] GB 2376075 A 20021204 - AB AUTOMOTIVE ELECTRONICS LTD [GB]
• See references of WO 2011155891A1

Designated contracting state (EPC)
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