

Title (en)  
METHOD AND APPARATUS RELATED TO ON-BOARD MESSAGE REPEATING FOR VEHICLE CONSIST COMMUNICATIONS SYSTEM

Title (de)  
VERFAHREN UND VORRICHTUNG ZUR WIEDERHOLUNG VON BORDNACHRICHTEN IN EINEM FAHRZEUGINTERNEN KOMMUNIKATIONSSYSTEM

Title (fr)  
PROCÉDÉ ET APPAREIL CONCERNANT LA RÉPÉTITION D'UN MESSAGE EMBARQUÉ POUR LE SYSTÈME DE COMMUNICATION D'UNE RAME DE VÉHICULES

Publication  
**EP 2529493 A2 20121205 (EN)**

Application  
**EP 11705066 A 20110125**

Priority  
• US 69339910 A 20100125  
• US 69338310 A 20100125  
• US 2011022306 W 20110125

Abstract (en)  
[origin: WO2011091391A2] A communications method for a vehicle consist (10) comprising a lead (14) and a remote (12A/12B/12C) powered vehicle, the lead (14) vehicle comprising first (29A) and second (29B) antennas each associated with a radio, and the remote vehicle (12A/12B/12C) comprising third (29A) and fourth (29B) antennas each associated with a radio. The method comprises transmitting an outbound message from the lead (14) vehicle, receiving the outbound message at the third antenna (29A) and supplying a signal to the associated radio for producing a first received signal, and receiving the outbound message at the fourth antenna (29B) and supplying a signal to the associated radio for producing a second received signal, determining a first and second signal quality metric for the respective first and second received signals, selecting the first or second received signal for processing by the remote vehicle (12A/12B/12C) in response to the first and second signal quality metrics.

IPC 8 full level  
**H04B 7/08** (2006.01); **B61L 15/00** (2006.01); **H04B 7/06** (2006.01)

CPC (source: EA EP)  
**B61L 15/00** (2013.01 - EA); **B61L 15/0027** (2013.01 - EP); **H04B 7/02** (2013.01 - EA); **H04B 7/0604** (2013.01 - EP); **H04B 7/0814** (2013.01 - EP); **H04B 7/082** (2013.01 - EP); **H04B 7/0885** (2013.01 - EP)

Citation (search report)  
See references of WO 2011091391A2

Citation (examination)  
EP 1742823 A2 20070117 - GEN ELECTRIC [US]

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2011091391 A2 20110728**; **WO 2011091391 A3 20110929**; AU 2011207466 A1 20120816; AU 2011207466 B2 20150205; BR 112012018391 A2 20160419; CN 102823158 A 20121212; CN 105128889 A 20151209; CO 6592081 A2 20130102; EA 024596 B1 20161031; EA 032066 B1 20190430; EA 201290578 A1 20130228; EA 201591548 A2 20151230; EA 201591548 A3 20160831; EP 2529493 A2 20121205

DOCDB simple family (application)  
**US 2011022306 W 20110125**; AU 2011207466 A 20110125; BR 112012018391 A 20110125; CN 201180015760 A 20110125; CN 201510509786 A 20110125; CO 12135139 A 20120810; EA 201290578 A 20110125; EA 201591548 A 20110125; EP 11705066 A 20110125