

Title (en)  
METHOD FOR OPERATING A RADAR SYSTEM, RADAR SYSTEM, AND VEHICLE COMPRISING AT LEAST ONE RADAR SYSTEM

Title (de)  
VERFAHREN ZUM BETREIBEN EINES RADARSYSTEMS, RADARSYSTEM UND FAHRZEUG MIT WENIGSTENS EINEM RADARSYSTEM

Title (fr)  
PROCÉDÉ POUR FAIRE FONCTIONNER UN SYSTÈME RADAR, SYSTÈME RADAR, ET VÉHICULE COMPRENANT AU MOINS UN SYSTÈME RADAR

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Application  
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Abstract (en)  
[origin: WO2022023298A1] The invention relates to a method for operating a radar system which is used to monitor at least one monitoring region, to a radar system, and to a vehicle. In the method, a plurality of transmission antenna elements (26) are actuated using transmission signals, and corresponding radar signals (42a, 42b, 42e) are transmitted into a monitoring region. Echoes of radar signals (42a, 42b, 42e) reflected in the monitoring region are received by a plurality of receiving antenna elements (28) and are converted into corresponding reception signals which are processed for signaling purposes. Information on objects in the monitoring region is ascertained from the reception signals. Radar signals (42a, 42b) which are at least temporarily distinguishable from one another at least by the receiving antenna elements (28) are transmitted by at least two transmission antenna element groups (32a, 32b), each of which has at least one transmission antenna element (26). The distinguishable radar signals (42a, 42b) are additionally transmitted with a different transmission power by the at least two transmission antenna element groups (32a, 32b).

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