

Title (en)

RADAR SYSTEM WITH ADAPTIVE DIGITAL RECEPTION BEAM FORMING AND SWITCHABLE TRANSMISSION DIRECTIONAL CHARACTERISTICS FOR COVERAGE OF NEAR AND FAR RANGE

Title (de)

RADARSYSTEM MIT ADAPTIVER DIGITALER EMPFANGS-STRAHLFORMUNG UND UMSCHALTBARER SENDE-RICHTCHARAKTERISTIK ZUR ABDECKUNG VON NAH- UND FERNBEREICH

Title (fr)

SYSTÈME DE RADAR À CONFORMATION ADAPTATIVE NUMÉRIQUE DU FAISCEAU DE RÉCEPTION ET CARACTÉRISTIQUE DIRECTIONNELLE D'ÉMISSION COMMUTABLE POUR LA COUVERTURE DES PLAGES PROCHE ET LOINTAINE

Publication

EP 1828805 A1 20070905 (DE)

Application

EP 05808119 A 20051118

Priority

- EP 2005056062 W 20051118
- DE 102004059915 A 20041213

Abstract (en)

[origin: WO2006063915A1] The invention relates to a radar system, provided with a switch (40), for switching between at least two transmission antennae (41, 42) with different directional characteristics, in particular, for differing separation regions. A common analysis of the digitised signals for at least two receiver antennae (51, 52) is carried out in the receiver as a correlation of the receive antennae signals.

IPC 8 full level

G01S 7/03 (2006.01); **G01S 13/44** (2006.01); **G01S 13/93** (2006.01); **G01S 13/931** (2020.01); **H01Q 3/24** (2006.01); **H04B 7/06** (2006.01); **H04B 7/08** (2006.01)

CPC (source: EP US)

G01S 7/032 (2013.01 - EP US); **G01S 13/44** (2013.01 - EP US); **G01S 13/931** (2013.01 - EP US); **H01Q 3/24** (2013.01 - EP US); **G01S 2013/93272** (2020.01 - EP US)

Citation (search report)

See references of WO 2006063915A1

Citation (examination)

US 5712644 A 19980127 - KOLAK FRANK STAN [US]

Designated contracting state (EPC)

DE FR GB IT SE

DOCDB simple family (publication)

DE 102004059915 A1 20060614; CN 101076741 A 20071121; EP 1828805 A1 20070905; US 2008258964 A1 20081023; WO 2006063915 A1 20060622

DOCDB simple family (application)

DE 102004059915 A 20041213; CN 200580042809 A 20051118; EP 05808119 A 20051118; EP 2005056062 W 20051118; US 79312305 A 20051118