

Title (en)

RADAR TARGET EMULATOR, TEST BENCH AND METHOD FOR SIGNAL PROCESSING

Title (de)

RADARZIELEMULATOR, PRÜFSTAND UND VERFAHREN ZUR SIGNALVERARBEITUNG

Title (fr)

ÉMULATEUR DE CIBLE RADAR, BANC D'ESSAI ET PROCÉDÉ DE TRAITEMENT DE SIGNAL

Publication

EP 3692390 A1 20200812 (DE)

Application

EP 18792357 A 20181008

Priority

- AT 508582017 A 20171006
- AT 2018060237 W 20181008

Abstract (en)

[origin: WO2019068126A1] The present invention relates to a radar target emulator, a test bench having such a radar target emulator and a method for digitally processing at least one analog radar signal. The radar target emulator has a first conversion device, which is designed to convert the at least one analog radar signal into at least one corresponding digital radar data packet. A data processing device of the radar target emulator has a time delay apparatus and a modification apparatus, wherein the time delay apparatus is designed to provide, on the basis of the at least one digital radar data packet, a plurality of time-delayed radar data packets. The modification apparatus is designed to provide, on the basis of the plurality of time-delayed radar data packets, a plurality of modified radar data packets, and a second conversion device is designed to provide analog processed radar signals by converting the digital radar data packets processed by the data processing device. A transmitting device has at least two transmitting apparatuses, which are particularly designed to transmit the analog processed radar signals provided by the second conversion device.

IPC 8 full level

G01S 7/40 (2006.01); **G01S 13/931** (2020.01); **G06G 7/78** (2006.01)

CPC (source: AT EP KR US)

G01M 17/00 (2013.01 - US); **G01S 7/4052** (2013.01 - AT EP KR US); **G01S 7/4082** (2021.05 - EP KR US); **G01S 13/931** (2013.01 - KR US); **G01S 7/4065** (2021.05 - AT US); **G01S 13/931** (2013.01 - EP); **G01S 2013/93271** (2020.01 - US)

Citation (search report)

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- See also references of WO 2019068126A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2019068126 A1 20190411; AT 520577 A1 20190515; AT 520577 B1 20210115; CN 111512177 A 20200807; CN 111512177 B 20231020; EP 3692390 A1 20200812; JP 2020536251 A 20201210; JP 7187550 B2 20221212; KR 20200068695 A 20200615; US 2021018591 A1 20210121; US 2021341571 A9 20211104

DOCDB simple family (application)

AT 2018060237 W 20181008; AT 508582017 A 20171006; CN 201880065332 A 20181008; EP 18792357 A 20181008; JP 2020519282 A 20181008; KR 20207012985 A 20181008; US 201816753848 A 20181008