

Title (en)

CASCADABLE RADAR ELEMENT WITH TRANSMIT ANTENNA AND RECEIVE ANTENNA

Title (de)

KASKADIERBARES RADARELEMENT MIT SENDEANTENNE UND EMPFANGSANTENNE

Title (fr)

ÉLÉMENT RADAR EN CASCADE AVEC ANTENNE D'ÉMISSION ET ANTENNE DE RÉCEPTION

Publication

EP 4302124 A1 20240110 (DE)

Application

EP 21709657 A 20210302

Priority

EP 2021055157 W 20210302

Abstract (en)

[origin: WO2022184238A1] A cascadable radar element (600) designed for use in a radar meter for carrying out a digital beam forming method, comprising at least one transmit antenna (601, 602) and at least one receive antenna (603-606) integrated in the radar element, and an input connection (111) and an output connection (112) for local-oscillator signals.

IPC 8 full level

G01S 7/02 (2006.01); **G01S 7/03** (2006.01); **G01S 13/42** (2006.01); **H01Q 1/22** (2006.01); **H01Q 21/00** (2006.01); **H01Q 21/22** (2006.01); **H01Q 23/00** (2006.01)

CPC (source: EP)

G01S 7/028 (2021.05); **G01S 7/032** (2013.01); **G01S 13/42** (2013.01); **H01Q 1/225** (2013.01); **H01Q 1/2283** (2013.01); **H01Q 1/40** (2013.01); **H01Q 3/30** (2013.01); **H01Q 21/0025** (2013.01); **H01Q 21/061** (2013.01); **H01Q 23/00** (2013.01)

Citation (search report)

See references of WO 2022184238A1

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2022184238 A1 20220909; CN 116868077 A 20231010; EP 4302124 A1 20240110

DOCDB simple family (application)

EP 2021055157 W 20210302; CN 202180093373 A 20210302; EP 21709657 A 20210302