

Title (en)

RADAR CHIP WITH A WAVEGUIDE COUPLING

Title (de)

RADARCHIP MIT EINER HOHLLEITEREINKOPPLUNG

Title (fr)

PUCE RADAR À COUPLAGE DE GUIDE D'ONDES

Publication

EP 4062487 A1 20220928 (DE)

Application

EP 20803123 A 20201104

Priority

- DE 102019217736 A 20191118
- EP 2020080980 W 20201104

Abstract (en)

[origin: WO2021099122A1] The invention relates to a radar chip with a waveguide coupling, having a high frequency substrate with a line, a radiating element and a substrate-integrated waveguide arranged therebetween, for coupling the radar signal into and out of the antenna or waveguide of the radar gauge.

IPC 8 full level

H01P 5/107 (2006.01); **H01P 3/12** (2006.01); **H01Q 1/22** (2006.01); **H01Q 13/02** (2006.01)

CPC (source: EP US)

G01S 7/027 (2021.05 - US); **G01S 13/88** (2013.01 - US); **H01P 3/121** (2013.01 - EP); **H01P 5/08** (2013.01 - US); **H01P 5/107** (2013.01 - EP); **H01Q 1/2208** (2013.01 - US); **H01Q 1/225** (2013.01 - EP US); **H01Q 13/02** (2013.01 - EP US)

Citation (search report)

See references of WO 2021099122A1

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)

DE 102019217736 A1 20210520; CN 114730982 A 20220708; EP 4062487 A1 20220928; US 2023358855 A1 20231109; WO 2021099122 A1 20210527

DOCDB simple family (application)

DE 102019217736 A 20191118; CN 202080077491 A 20201104; EP 2020080980 W 20201104; EP 20803123 A 20201104; US 20201777526 A 20201104