

Title (en)

RADAR SENSOR FOR FACTORY AUTOMATION AND LOGISTICS AUTOMATION

Title (de)

RADARSENSOR FÜR DIE FABRIK- UND LOGISTIKAUTOMATION

Title (fr)

CAPTEUR RADAR POUR L'AUTOMATISATION DE LA FABRICATION ET DE LA LOGISTIQUE

Publication

EP 3928119 A1 20211229 (DE)

Application

EP 20705964 A 20200218

Priority

- DE 102019202144 A 20190218
- EP 2020054226 W 20200218

Abstract (en)

[origin: WO2020169598A1] The invention relates to a radar sensor for factory automation and logistics automation, comprising a radar circuit assembly, which has a radar chip for generating, emitting and evaluating radar measurement signals with an opening angle of less than 5°. The radar chip has a cross-sectional area of less than 1 cm² and generates radar measurement signals having a frequency of over 200 GHz.

IPC 8 full level

G01S 7/03 (2006.01); **G01F 23/284** (2006.01); **G01S 7/00** (2006.01); **G01S 7/02** (2006.01); **G01S 13/87** (2006.01); **G01S 13/88** (2006.01)

CPC (source: EP KR US)

G01F 23/284 (2013.01 - KR); **G01S 7/003** (2013.01 - KR); **G01S 7/028** (2021.05 - KR); **G01S 7/03** (2013.01 - EP KR); **G01S 13/341** (2013.01 - US); **G01S 13/87** (2013.01 - KR); **G01S 13/88** (2013.01 - EP KR); **G01S 17/86** (2020.01 - US); **G01F 23/284** (2013.01 - EP); **G01S 7/003** (2013.01 - EP); **G01S 7/028** (2021.05 - EP); **G01S 7/032** (2013.01 - EP); **G01S 13/87** (2013.01 - EP); **G01S 13/881** (2013.01 - EP)

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 102019202144 A1 20200820; CN 112840223 A 20210525; EP 3928119 A1 20211229; KR 20210127127 A 20211021; US 2022075047 A1 20220310; WO 2020169598 A1 20200827

DOCDB simple family (application)

DE 102019202144 A 20190218; CN 202080005693 A 20200218; EP 2020054226 W 20200218; EP 20705964 A 20200218; KR 20217013536 A 20200218; US 202017422975 A 20200218