

Title (en)
MAGNETIC FIELD SENSOR

Title (de)
MAGNETFELDSSENSOR

Title (fr)
CAPTEUR DE CHAMP MAGNÉTIQUE

Publication
EP 3601974 A1 20200205 (DE)

Application
EP 18718573 A 20180320

Priority
• AT 502222017 A 20170320
• AT 2018050004 W 20180320

Abstract (en)
[origin: WO2018170524A1] The invention relates to a magnetic field sensor (100, 100A, 100B) for components (200) having a preferably cylindrical, conical, prismatic main body (210) or having a free-form main body, wherein at least one first magnetic conductive track (110) and at least one second conductive track (120) are mounted on the main body (210 of the component (200), and the at least second conductive track (120) is arranged at a distance - preferably in the form of a separation layer (300) - from the at least first magnetic conductive track (110), wherein at least one exciter magnet is provided and a change in the magnetic flux due to a change in the distance (A) of the at least one first magnetic conductive track (110) from the at least second magnetic conductive track (120) is monitored.

IPC 8 full level
G01L 1/12 (2006.01); **G01B 7/24** (2006.01); **G01L 9/00** (2006.01)

CPC (source: AT EP US)
G01B 5/30 (2013.01 - AT); **G01B 7/24** (2013.01 - AT); **G01D 5/20** (2013.01 - US); **G01L 1/12** (2013.01 - AT); **G01L 1/122** (2013.01 - EP US); **G01L 9/0004** (2013.01 - EP)

Citation (search report)
See references of WO 2018170524A1

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 2018170524 A1 20180927; AT 519846 A1 20181015; AT 519846 B1 20190715; CA 3055327 A1 20180927; EP 3601974 A1 20200205; JP 2020511657 A 20200416; US 2020025588 A1 20200123

DOCDB simple family (application)
AT 2018050004 W 20180320; AT 502222017 A 20170320; CA 3055327 A 20180320; EP 18718573 A 20180320; JP 2019551517 A 20180320; US 201816496248 A 20180320