

Title (en)
ULTRASONIC TRANSDUCER, ULTRASONIC SENSOR AND METHOD FOR OPERATING AN ULTRASONIC SENSOR

Title (de)
ULTRASCHALLWANDLER, ULTRASCHALLSENSOR UND VERFAHREN ZUM BETREIBEN EINES ULTRASCHALLSENSORS

Title (fr)
TRANSDUCTEUR ULTRASONORE, CAPTEUR ULTRASONORE ET PROCÉDÉ POUR FAIRE FONCTIONNER UN CAPTEUR ULTRASONORE

Publication
EP 2358545 B1 20191106 (DE)

Application
EP 09783378 A 20090924

Priority
• EP 2009062392 W 20090924
• DE 102008043958 A 20081121

Abstract (en)
[origin: WO2010057708A2] An ultrasonic transducer has an integrated memory (6) for storing a reverberation time of the ultrasonic transducer (1) in the uninstalled state.

IPC 8 full level
G10K 9/122 (2006.01); **G10K 9/18** (2006.01)

CPC (source: EP US)
G10K 9/122 (2013.01 - EP US); **G10K 9/18** (2013.01 - EP US)

Citation (examination)
US 6338716 B1 20020115 - HOSSACK JOHN A [US], et al

Cited by
CN108333574A

Designated contracting state (EPC)
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 SE SI SK SM TR

DOCDB simple family (publication)
DE 102008043958 A1 20100527; CN 102224019 A 20111019; CN 102224019 B 20140611; EP 2358545 A2 20110824; EP 2358545 B1 20191106; US 2011265572 A1 20111103; US 8393219 B2 20130312; WO 2010057708 A2 20100527; WO 2010057708 A3 20110414

DOCDB simple family (application)
DE 102008043958 A 20081121; CN 200980146582 A 20090924; EP 09783378 A 20090924; EP 2009062392 W 20090924; US 200913130450 A 20090924