

Title (en)  
ANCHORING DEVICE

Title (de)  
ANKERVORRICHTUNG

Title (fr)  
DISPOSITIF D'ANCRAGE

Publication  
**EP 3830430 A1 20210609 (DE)**

Application  
**EP 19742007 A 20190715**

Priority  
• DE 102018212558 A 20180727  
• EP 2019068981 W 20190715

Abstract (en)  
[origin: WO2020020682A1] The invention relates to an anchoring device, in particular to a bolt anchor or to an expansion anchor, having a communication interface via which at least one item of information can be made available to an external device. It is proposed that the communication interface have at least one surface wave unit for generating an acoustic surface wave.

IPC 8 full level  
**F16B 13/00** (2006.01)

CPC (source: EP US)  
**F16B 13/00** (2013.01 - EP); **F16B 13/063** (2013.01 - US); **G01L 5/246** (2013.01 - US)

Citation (search report)  
See references of WO 2020020682A1

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 2020020682 A1 20200130**; CN 112513476 A 20210316; DE 102018212558 A1 20200130; EP 3830430 A1 20210609;  
US 2021355977 A1 20211118

DOCDB simple family (application)  
**EP 2019068981 W 20190715**; CN 201980050565 A 20190715; DE 102018212558 A 20180727; EP 19742007 A 20190715;  
US 201917262290 A 20190715