

Title (en)  
PROBE STRUCTURE

Title (de)  
SONDENSTRUKTUR

Title (fr)  
STRUCTURE DE SONDE

Publication  
**EP 3448246 A4 20191225 (EN)**

Application  
**EP 17790294 A 20170425**

Priority  

- US 201662327363 P 20160425
- US 201715399440 A 20170105
- US 201715399735 A 20170105
- US 2017029483 W 20170425

Abstract (en)  
[origin: CN109068997A] In various embodiments, a probe structure is provided. In some embodiments, the probe structure includes a probe body. In some embodiments, the probe structure further includes a plurality of fingers adapted to extend outwards from the probe body. In some embodiments, the probe structure further includes a spring including a plurality of coils adapted to wrap around the probe body and compressed between a compression plane and probe body. In some embodiments, the end coil of the plurality of coils is configured to encircle the plurality of fingers. In some embodiments, the compression plane is a grip held by a human operator. In some embodiments, the compression plane is a robotic end effector that positions itself over any topography.

IPC 8 full level  
**A61B 8/06** (2006.01); **A61B 8/08** (2006.01); **A61B 50/20** (2016.01)

CPC (source: EP US)  
**A61B 5/6843** (2013.01 - EP); **A61B 8/0808** (2013.01 - EP); **A61B 8/4209** (2013.01 - EP); **A61B 8/4444** (2013.01 - EP);  
**A61B 8/488** (2013.01 - EP); **G01D 11/18** (2013.01 - US); **G01N 21/359** (2013.01 - US); **G01N 29/24** (2013.01 - US); **A61B 5/4064** (2013.01 - EP);  
**A61B 8/4455** (2013.01 - EP); **A61B 8/4488** (2013.01 - EP)

Citation (search report)  

- [XYI] US 2014094701 A1 20140403 - KWARTOWITZ DAVID [US], et al
- [X] US 2002103436 A1 20020801 - NJEMANZE PHILIP CHIDI [NG]
- [X] US 2009306515 A1 20091210 - MATSUMURA TAKESHI [JP], et al
- [X] US 5094243 A 19920310 - PUY PHILIPPE [FR], et al
- [X] FR 2606625 A1 19880520 - BRION RICHARD [FR]
- [Y] US 5421565 A 19950606 - HARKRADER RONALD L [US], et al
- See references of WO 2017189623A1

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

DOCDB simple family (publication)  
CN 109068997 A 20181221; EP 3448246 A1 20190306; EP 3448246 A4 20191225

DOCDB simple family (application)  
CN 201780024925 A 20170425; EP 17790294 A 20170425