

Title (en)  
ULTRASOUND PROBE

Title (de)  
ULTRASCHALL-PRÜFKOPF

Title (fr)  
PALPEUR À ULTRASONS

Publication  
**EP 2828009 A1 20150128 (DE)**

Application  
**EP 13715151 A 20130320**

Priority  
• DE 102012204444 A 20120320  
• DE 202012104119 U 20121026  
• EP 2013055859 W 20130320

Abstract (en)  
[origin: WO2013139872A1] The invention relates to an ultrasound probe that contains an ultrasound transducer arrangement (2) comprising a plurality of transducer elements (4i) which are arranged next to one another in a row, which can be controlled with a time delay, and the transmitting/receiving surfaces (6i) of which are inclined relative to one another such that the angle of inclination ( $\alpha_{i,j}$ ) between the transmitting/receiving surfaces (6i, 6j) of two transducer elements (4i, 4j) increases with the number of transducer elements (4i) located between said transducer elements (4i, 4j), and at least two of the incremental angles of inclination ( $\alpha_{i,i+1}$ ) between each pair of adjacent transducer elements (4i, 4i+1) are different.

IPC 8 full level  
**B06B 1/06** (2006.01); **G01N 29/22** (2006.01)

CPC (source: EP US)  
**B06B 1/0622** (2013.01 - EP US); **G01N 29/221** (2013.01 - EP US); **G01N 29/2456** (2013.01 - EP US); **G01N 29/262** (2013.01 - EP US); **G10K 11/18** (2013.01 - US); **G10K 11/34** (2013.01 - EP US)

Citation (search report)  
See references of WO 2013139872A1

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 2013139872 A1 20130926**; CA 2865054 A1 20130926; EP 2828009 A1 20150128; US 2015009782 A1 20150108

DOCDB simple family (application)  
**EP 2013055859 W 20130320**; CA 2865054 A 20130320; EP 13715151 A 20130320; US 201414492105 A 20140922