

Title (en)

Ultrasound transducer with improved vibrational modes.

Title (de)

Ultraschallwandler mit verbesserten Schwingungsweisen.

Title (fr)

Transducteur ultrasonore ayant des modes vibratoires améliorées.

Publication

EP 0142215 A2 19850522 (EN)

Application

EP 84303562 A 19840525

Priority

US 49836483 A 19830526

Abstract (en)

The transducer of the present invention is diced into subelements which have a height-to-width ratio which determines the modality of their vibration. The subelements are then electrically connected to provide a transducer having the desired electrical configuration, i.e., an annular array transducer. Using the present invention, the electro-acoustic characteristics of the transducer are not determinative of the vibrational characteristics of the individual subelements.

IPC 1-7

G10K 11/34; **H01L 41/08**

IPC 8 full level

A61B 8/00 (2006.01); **B06B 1/06** (2006.01); **H04R 17/00** (2006.01)

CPC (source: EP)

B06B 1/0622 (2013.01)

Cited by

EP0589396A3; EP0480045A4; JP2021023395A; US10046181B2; US11338156B2; WO8908508A1; WO03002272A1; US10795042B2; US10537304B2; US11123039B2; US11723622B2; US9694211B2; US9802063B2; US11724133B2; US11883688B2; US11944849B2; US9827449B2; US10010724B2; US10265550B2; US10610705B2; US10888718B2; US9895560B2; US10046182B2; US10328289B2; US10532230B2; US11400319B2; US11697033B2; US9694212B2; US9833640B2; US10010726B2; US10252086B2; US10610706B2; US11167155B2; US10420960B2; US11207548B2; US11224895B2; US11235179B2; US11517772B2; US11969609B2; US9713731B2; US9833639B2; US10010721B2; US10238894B2; US10603519B2; US10888716B2; US11179580B2; US11241218B2; US9707412B2; US9827450B2; US9974982B2; US10010725B2; US10245450B2; US10525288B2; US10603523B2; US10603521B2; US10864385B2; US10888717B2; US10960236B2; US11207547B2; US11235180B2; US11351401B2; US11717707B2

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0142215 A2 19850522; **EP 0142215 A3 19870311**; JP S605133 A 19850111

DOCDB simple family (application)

EP 84303562 A 19840525; JP 10736284 A 19840525