

Title (en)

Ultrasonic probe.

Title (de)

Ultraschallsonde.

Title (fr)

Sonde ultrasonore.

Publication

**EP 0373603 A2 19900620 (EN)**

Application

**EP 89122956 A 19891212**

Priority

JP 31542288 A 19881214

Abstract (en)

An ultrasonic probe (1) includes a plurality of piezoelectric elements (2A-2F) extending concentrically. The elements have respective surfaces via which ultrasonic wave is transmitted and received. The surfaces of the elements (2A-2F) are concave and have predetermined radii of curvature (ra-rf) respectively. The radii of curvature increase as the elements are farther from an innermost place and closer to an outermost place.

IPC 1-7

**B06B 1/06**; **G10K 11/32**

IPC 8 full level

**G01N 29/24** (2006.01); **A61B 8/00** (2006.01); **B06B 1/06** (2006.01); **G10K 11/32** (2006.01); **H04R 17/00** (2006.01)

CPC (source: EP)

**B06B 1/0622** (2013.01); **G10K 11/32** (2013.01)

Cited by

CN105139847A; US11607194B2; EP0415669A1; US5398551A; EP1983355A1; WO2013139550A1; WO02054379A3

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 0373603 A2 19900620**; **EP 0373603 A3 19911113**; **EP 0373603 B1 19950308**; DE 68921571 D1 19950413; DE 68921571 T2 19950803; JP H02159266 A 19900619

DOCDB simple family (application)

**EP 89122956 A 19891212**; DE 68921571 T 19891212; JP 31542288 A 19881214