

Title (en)
ULTRASONIC TRANSDUCER ASSEMBLY AND PROCESS FOR ITS PRODUCTION

Publication
EP 0025092 B1 19840411 (DE)

Application
EP 80103708 A 19800630

Priority
DE 2929541 A 19790720

Abstract (en)
[origin: US4371805A] In an ultrasonic transducer arrangement having a plurality of ultrasonic oscillators, the ultrasonic oscillators each consist of a matrix of column shaped transducer elements, which are arranged in columns and rows. A planar array which can be addressed separately is formed from a matrix of such ultrasonic oscillators. This array permits focussing of the radiated sound in its longitudinal as well as transversal direction.

IPC 1-7
G01S 7/52; **G01N 29/00**; **G10K 11/34**; **H01L 41/22**

IPC 8 full level
H04R 17/00 (2006.01); **B06B 1/06** (2006.01); **G01N 29/00** (2006.01); **G01N 29/24** (2006.01); **G01S 7/52** (2006.01); **G10K 11/34** (2006.01); **H01L 41/22** (2006.01)

CPC (source: EP US)
B06B 1/0614 (2013.01 - EP US)

Citation (examination)
US 4122725 A 19781031 - THOMPSON ROBERT B

Cited by
EP0294826A1; EP0043195A1; EP0336086A3; EP0101509A4; EP0142215A3; EP0379229A3; EP0210723A1; FR2770932A1; US6729001B2; EP0040374A1; EP0041664A1; WO9924175A1

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