

Title (en)
AN ACOUSTIC TRANSDUCER

Publication
EP 0401027 A3 19920108 (EN)

Application
EP 90305961 A 19900531

Priority
GB 8912782 A 19890602

Abstract (en)
[origin: EP0401027A2] In order to reduce side lobes in the transmission characteristics of an acoustic transducer the amplitude of transmission is tapered towards the edges of the aperture. This is done by constructing the transducer from ceramic-epoxy composite elements connected in a one-three configuration and distributed with varying volume fraction in the width and length directions.

IPC 1-7
B06B 1/06

IPC 8 full level
H04R 1/38 (2006.01); **B06B 1/06** (2006.01); **H04R 17/00** (2006.01)

CPC (source: EP)
B06B 1/0629 (2013.01)

Citation (search report)
• [X] DE 3334090 A1 19840322 - PHILIPS CORP [US]
• [Y] EP 0137529 A2 19850417 - PHILIPS NV [NL]
• [A] GB 2190818 A 19871125 - BRUEEL & KJAER AS
• [A] GB 2114857 A 19830824 - GEN ELECTRIC
• [Y] ultrasonics international 87 conf. proc., london6-9 july 1987, p. 426-431, D. J. Mehrl et al. : "Design and evaluation of apodized piezo__ electric transducers"

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