

Title (en)

Linear array of sonic and ultrasonic transducers, assembled in the form of complex, integral tube resonator

Title (de)

Lineare Anordnung von als komplexen und integrierten Rohrresonatoren hergestellten Schall- und Ultraschallwandlern

Title (fr)

Réseau linéaire de transducteurs sonique ou ultrasonique, assemblé sous forme de résonateur tube complexe intégré

Publication

EP 1405679 A1 20040407 (EN)

Application

EP 02405863 A 20021003

Priority

EP 02405863 A 20021003

Abstract (en)

The transducer has a resonating tube (1) of same, common or integral front-emitting mass (5). Each tube has its own piezoceramic layer and back mass mutually fixed on opposite side by central bolts. The integral, common front mass of a transducer array (12) is fixed inside or outside of certain arbitrary or round shaped metal pipe. The pipe enables to radiate multimode sonic and ultrasonic energy externally or internally.

IPC 1-7

B06B 1/06

IPC 8 full level

B06B 1/06 (2006.01)

CPC (source: EP)

B06B 1/0622 (2013.01)

Citation (search report)

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