

Title (en)

Multiple beam lens transducer with collimator for sonar systems.

Title (de)

Mehrfachbündelwandler mit Linse und Kollimator für Sonarsysteme.

Title (fr)

Transducteur d'un pluralité de faisceaux avec lentille et collimateur pour des systèmes sonars.

Publication

EP 0112688 A2 19840704 (EN)

Application

EP 83307606 A 19831214

Priority

US 45330382 A 19821227

Abstract (en)

A compact apparatus for transmitting and receiving multiple sonar beams utilises an acoustic lens (25) to direct plane waves incident in desired directions to collimating lenses (32) for presentation in phase to electroacoustic transducers (30) having planar surfaces. The electroacoustic transducers (30) emit sound waves which are transformed by the lenses (32) into plane waves emergent in the desired directions.

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G10K 11/30

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