

Title (en)

MULTIPLE FREQUENCY BAND ACOUSTIC TRANSDUCER ARRAYS

Title (de)

AKUSTISCHE MEHRFREQUENZBANDWANDLER ARRAYS

Title (fr)

RÉSEAUX DE TRANSDUCTEURS ACOUSTIQUES À BANDES DE FRÉQUENCE MULTIPLES

Publication

EP 2268419 A1 20110105 (EN)

Application

EP 09700502 A 20090109

Priority

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- US 1100608 P 20080114

Abstract (en)

[origin: WO2009088307A1] Acoustic probes that transmits/receives acoustic pulses with frequencies both in a high frequency (HF), a and a selectable amount of lower frequency (LF1, LF2,..., LFn,...) bands, where the radiation surfaces of at least two of the multiple frequency bands have a common region. Several solutions for transmission (and reception) of HF, LF1, LF2,... pulses and signals through the common radiation surface are given. The arrays and elements can be of a general type, for example annular arrays, phased or switched arrays, linear arrays with division in both azimuth and elevation direction, like a 1.5D, a 1.75D and a full 2D array, curved arrays, etc. The element division, array type, and array aperture sizes for the different bands can also be different. Electronic substrate layers with integrated electronic that connects to array elements can be stacked within the probe.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2009088307A1

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