

Title (en)

Ultrasound system with improved coupling fluid.

Title (de)

Ultraschallanordnung mit verbesserter Kopplungsflüssigkeit.

Title (fr)

Dispositif ultrasonore utilisant un fluide de couplage.

Publication

**EP 0359546 A2 19900321 (EN)**

Application

**EP 89309295 A 19890913**

Priority

US 24612688 A 19880916

Abstract (en)

An ultrasound system (101), includes an electronics module (103) and a probe (105). The electronics module (103) controls delays in the transmission and reception between individual elements of the annular phased array transducer (131) to control focussing. The coupling fluid (127) provides for ultrasonic coupling between the transducer (131) and the probe window (123) and the subject while permitting the steering movement of the transducer (131). The coupling fluid (127) is a mixture of 1-Butanol in Glycerol. The attenuation of that mixture can be adjusted without impairing velocity matching by adding suitable amounts of 2-Hydroxyethyl ether.

IPC 1-7

**G10K 11/00**; **G10K 11/02**

IPC 8 full level

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CPC (source: EP)

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