

Title (en)

Interface element for medical ultrasound transducer.

Title (de)

Kontaktelement für medizinische Ultraschallwandler.

Title (fr)

Élément d'interface pour un transducteur médical à ultrason.

Publication

EP 0605756 A3 19950419 (EN)

Application

EP 93111871 A 19930723

Priority

US 230693 A 19930108

Abstract (en)

[origin: EP0605756A2] An ultrasound transducer assembly includes an ultrasound transducer for transmitting and receiving ultrasound energy 10 and one or more interface elements for conducting transmitted ultrasound energy from the transducer 10 to a patient's body and for conducting received ultrasound energy from the patient's body to the transducer. At least one ultrasound-transmissive interface element 20 is fabricated of a rigid, low sound speed material. The material preferably has a sound speed that approximately matches the speed of sound in human tissue. The rigid, low sound speed material is preferably a material that is suitable for use on a human eye as a contact lens. The ultrasound-transmissive element fabricated of a rigid, low sound speed material can be a protective lens cover 20. <IMAGE>

IPC 1-7

G10K 11/02

IPC 8 full level

A61B 8/14 (2006.01); **G10K 11/02** (2006.01); **G10K 11/30** (2006.01)

CPC (source: EP)

G10K 11/02 (2013.01); **G10K 11/30** (2013.01)

Citation (search report)

- [A] FR 2377134 A1 19780804 - STANFORD RESEARCH INST [US]
- [AD] EP 0489222 A2 19920610 - HEWLETT PACKARD CO [US]
- [X] PATENT ABSTRACTS OF JAPAN vol. 15, no. 72 (C - 0808) 20 February 1991 (1991-02-20)

Cited by

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DE FR GB NL

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 93111871 A 19930723; JP 99394 A 19940110