

ABSTRACT

A probe for use in targeted ablation of tissue within a subject, comprises a transducer having a plurality of distinct shape elements. The transducer has a first orientation in which the shape elements are aligned for insertion into the subject, and a second orientation where the shape elements are combined together to form an arrangement to focus ultrasound waves onto an area of tissue of the subject to be ablated. Control lines may be tensioned to change between the first to the second orientations. The probe may include hinges connecting adjacent shape element. The probe may include at least one biasing element positioned between adjacent shape elements to bias the transducer towards one of the first and second orientations. Each shape element may comprise a magnetic element to change the transducer from the first orientation to the second orientation. Also provided is a method of use of an ultrasonic probe.

Fig. 4C