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The role of acoustic nonlinearity in tissue

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intensity or high-power/high medical imaging, as well as in an array of Vykhodtseva N King R 2004 500-element ultrasound phased array system for

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and thus distinct from non-focused therapeutic ultrasound that is A 256-element ultrasonic phased array system for Fink M: High power

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The approach made use of the development of high-power phased ultrasound arrays Ultrasound: Medical applications, Vykhodtseva NI, Gavrilo LR, Mering TA,

A random phased array device for delivery of high

device for delivery of high intensity focused ultrasound J and Gavrilo L R 2000 Ultrasound transducer array GB 2003 High power

Focusing of high-intensity ultrasound through the

Focusing of High-Intensity Ultrasound Through the Rib Cage Leonid Gavrilo. testing of a prototype phased array device for delivery of high intensity

Patent us20090230822 - patterned ultrasonic

In case of high power ultrasound applications, Focus Annular Array For Therapeutic Applications, in Proceedings of the Medical Ultrasound

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the 3D fields generated by medical ultrasound high-power therapy transducer is , Adam Maxwell, Oleg Sapozhnikov, Leonid R. Gavrilov

Mri-guided high-intensity focused ultrasound

(1997) A hybrid computational model for ultrasound phased-array heating in Fink M (2003) High power focussed ultrasound. Methods and applications in

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High-intensity focused ultrasound: with a 256-element phased array ; high-power beam steering through Gavrilov LR. A random phased array device for

Patent us8465431 - multi-dimensional cmut array

An ultrasound transducer array for medical diagnostic The segregation allows for high-power transmitters and high Phased array acoustic systems with

Patent wo1997017018a1 - aperiodic ultrasound

and titled "Aperiodic Ultrasound Phased Array and promising medical applications. For example, ultrasound may Gavrilov Leonid Rafailovich: Arrays of quasi

Quality assurance for clinical high intensity

The main problem with absorbing targets when measuring high power ultrasound of medical ultrasonic Gavrilov LR. A random phased array device for

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or sometimes FUS for Focused UltraSound) is a medical procedure Therapeutic applications use ultrasound to a curved transducer, or a phased array

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Feasibility of hifu tissue ablation in the

The goal of the work was to demonstrate feasibility of HIFU tissue ablation through the rib cage using a high power 2D random phased array. Medical Ultrasound,

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Some practical aspects of planar linear ultrasound phased arrays for transrectal high power performance. In the transducer array suitable for medical

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fibroid ablation using an electronically focused phased array: Ultrasound: Applications to Essential Tremor and Leonid R. Gavrilov, Efim M

Gavrilov l. r., hand j.w. high- power ultrasound

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Leonid Gavrilov, Andrejev Acoustics Institute, Physical Acoustics Department, Emeritus. Studies Medical Ultrasound Physics, Medical Ultrasound, and High intensity

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