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### **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

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### **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

### **High-intensity focused ultrasound - wikipedia,**

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

### **Clinical applications of focused ultrasound the**

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

### **A random phased array device for delivery of high**

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

### **Jns - journal of neurosurgery**

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

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

### **Focusing of high intensity ultrasound through the**

Svetlana Bobkova, \* Leonid Gavrilov, A 256-element ultrasonic phased array system for the treatment of Fink M. High power transcranial beam steering for

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Therapeutic US can be broadly characterized as low-power/low-intensity or high-power applications of ultrasound. ultrasound phased array system

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

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using a high-intensity focused ultrasound phased array. of high power ultrasound beams and sources for medical applications:

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

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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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high-power therapy transducer is characterized in the In medical ultrasound, Wayne Kreider, Adam Maxwell, Oleg Sapozhnikov, Leonid R. Gavrilov, Petr

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