

Title (en)

METHOD FOR GENERATING ULTRASOUND USING cMUTS AND CORRESPONDING SYSTEM FOR MEDICAL IMAGING

Title (de)

VERFAHREN ZUR ERZEUGUNG VON ULTRASCHALL MITHILFE VON cMUTS SOWIE ENTSPRECHENDES SYSTEM ZUR MEDIZINISCHEN BILDGEBUNG

Title (fr)

PROCEDE DE GENERATION D'ULTRASONS METTANT EN OEUVRE DES cMUTs ET SYSTEME CORRESPONDANT D'IMAGERIE MEDICALE

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Application

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Abstract (en)

[origin: WO2012010786A2] The invention relates to a method of generating ultrasounds in a given fluid by using at least one micro-machined capacitive transducer (cMUT) (100) comprising a membrane (102) and exhibiting a predetermined resonant frequency defined by the membrane-fluid pair, characterized in that said at least one transducer (100) is fed with an excitation signal of lower frequency than said central frequency. It also relates to a device for generating ultrasounds implementing cMUTs as well as a method and system for medical imaging.

IPC 8 full level

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See references of WO 2012010786A2

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