

Request Information

PIEZOELECTRIC FILTER WITH TUNABLE GAIN

Tech ID: 23595 / UC Case 2014-057-0

power gain in a receiver front-end.

PATENT STATUS

Country	Туре	Number	Dated	Case
United States Of America	Issued Patent	10,050,602	08/14/2018	2014-057
BRIEF DESCRIPTION				
There is a long-standing problem of ho		hen used in		
switchable filter banks such as need	ed in RF channel-selection.			
Fo address this problem, researchers a	at UC Berkeley have developed a	method and		
structure for a piezoelectric resonator v	vith tunable transfer function i.e	e. tunable gain. This		
structure for a piezoelectric resonator v Berkeley resonator's gain is tunable to	vith tunable transfer function i.e many values including values t	e. tunable gain. This hat are low enough		
To address this problem, researchers a structure for a piezoelectric resonator v Berkeley resonator's gain is tunable to to consider the device to be "off" relativ enables on/off switching of piezoelectri	vith tunable transfer function i.e many values including values t /e to the background signal. Acco	e. tunable gain. This hat are low enough rdingly, this approach		
structure for a piezoelectric resonator v Berkeley resonator's gain is tunable to to consider the device to be "off" relativ enables on/off switching of piezoelectri	vith tunable transfer function i.e many values including values t re to the background signal. Acco c resonators; and it thereby obvia	e. tunable gain. This hat are low enough rdingly, this approach ates the need for		
structure for a piezoelectric resonator v Berkeley resonator's gain is tunable to to consider the device to be "off" relativ	vith tunable transfer function i.e many values including values t ve to the background signal. Acco c resonators; and it thereby obvia rwise would be needed in series	e. tunable gain. This hat are low enough rdingly, this approach ates the need for with piezoelectric		

ADDITIONAL TECHNOLOGIES BY THESE INVENTORS

- Zero-Quiescent Power Transceiver
- ► High Electromechanical Coupling Disk Resonators
- Micromechanical Frequency Divider
- RF-Powered Micromechanical Clock Generator
- Active Resonator System with Tunable Quality Factor, Frequency, And Impedance

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INVENTORS

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OTHER INFORMATION

KEYWORDS

wireless, sensors, handsets

CATEGORIZED AS

» Communications

» Wireless

» Computer

>> Hardware

>> Environment

>> Sensing

» Engineering

>> Engineering

RELATED CASES

2014-057-0



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