

Title (en)  
METHOD AND APPARATUS FOR FILTERING SIGNALS IN A SUBSYSTEM INCLUDING A POWER AMPLIFIER UTILIZING A BANK OF VIBRATING MICROMECHANICAL APPARATUS

Title (de)  
VERFAHREN UND VORRICHTUNG ZUR FILTERUNG VON SIGNALEN IN EINEM UNTERSISTEM MIT EINEM LEISTUNGSVERSTÄRKER UNTER VERWENDUNG DER BANK EINES VIBRIERENDEN MIKROMECHANISCHEN GERÄT

Title (fr)  
PROCEDE ET APPAREIL DE FILTRAGE DE SIGNAUX DANS UN SOUS-SYSTEME COMPRENANT UN AMPLIFICATEUR DE PUISSANCE COMPORTANT UN GROUPE D'APPAREILS MICROMECHANIQUES VIBRANTS

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Application  
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Abstract (en)  
[origin: WO0182479A2] Several MEMS-based methods and architectures which utilize vibrating micromechanical resonators in circuits to implement filtering, mixing, frequency reference and amplifying functions are provided. Apparatus is provided for selecting at least one desired passband or channel in an RF transmitter subsystem utilizing a bank of vibrating micromechanical devices. One of the primary benefits of the use of such architectures is a savings in power consumption by trading power for high selectivity (i.e, high Q). Consequently, the present invention relies on the use of a large number of micromechanical links in SSI networks to implement signal processing functions with basically zero DC power consumption.

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IPC 8 full level  
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