

Title (en)  
METHODS, SYSTEMS, AND NON-TRANSITORY COMPUTER READABLE MEDIA FOR WIDEBAND FREQUENCY AND BANDWIDTH TUNABLE FILTERING

Title (de)  
VERFAHREN, SYSTEME UND ÜBERGANGSLOSSES COMPUTERLESBARES MEDIUM FÜR BREITBAND-FREQUENZEN UND FILTERUNG MIT EINSTELLBARER BANDBREITE

Title (fr)  
PROCÉDÉS, SYSTÈMES ET SUPPORTS LISIBLES PAR ORDINATEUR NON TRANSITOIRES POUR FILTRAGE LARGE BANDE ACCORDABLE EN FRÉQUENCE ET EN LARGEUR DE BANDE

Publication  
**EP 2766999 A4 20151028 (EN)**

Application  
**EP 12839313 A 20121121**

Priority  
• US 201161546784 P 20111013  
• US 201261719353 P 20121026  
• US 2012066259 W 20121121

Abstract (en)  
[origin: WO2013056270A1] Methods, systems, and computer readable media for wideband frequency and bandwidth tunable filtering are disclosed. According to one aspect, the subject matter described herein includes a wideband frequency and bandwidth tunable filter that includes: a first signal path for receiving a first input signal from a filter input node and producing a first output signal; a second signal path for receiving a second input signal from the filter input node and producing a second output signal, the second signal path including a filter circuit for adjusting the frequency spectrum of the second output signal; a conditioning circuit for conditioning at least one of the first input signal and the second input signal; a compensation device for adjusting at least one of a phase of the first output signal relative to a phase of the second output signal and an amplitude of the first output signal relative to an amplitude of the second output signal; and a signal combiner for combining the first output signal with the second output signal to produce a filter output signal having a desired frequency spectrum.

IPC 8 full level  
**H04B 1/10** (2006.01); **H03H 7/01** (2006.01); **H03H 7/12** (2006.01); **H03H 7/46** (2006.01); **H03H 11/04** (2006.01); **H03H 11/34** (2006.01); **H03H 11/36** (2006.01); **H04B 1/16** (2006.01)

CPC (source: EP)  
**H03H 7/0161** (2013.01); **H03H 7/12** (2013.01); **H03H 7/46** (2013.01); **H03H 11/34** (2013.01); **H03H 11/36** (2013.01); **H03H 11/365** (2013.01); **H04B 1/1036** (2013.01); **H03H 2007/013** (2013.01); **H03H 2011/0488** (2013.01); **H03H 2240/00** (2013.01); **H04B 2001/1054** (2013.01); **H04B 2001/1063** (2013.01)

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Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2013056270 A1 20130418**; **WO 2013056270 A4 20130711**; EP 2766999 A1 20140820; EP 2766999 A4 20151028

DOCDB simple family (application)  
**US 2012066259 W 20121121**; EP 12839313 A 20121121