

Title (en)
COHERENT TRACKING FOR FM IBOC RECEIVER USING A SWITCH DIVERSITY ANTENNA SYSTEM

Title (de)
KOHÄRENTE VERFOLGUNG FÜR EINEN FM-IBOC-EMPFÄNGER DURCH VERWENDUNG EINES SCHALT-DIVERSITY-ANTENNENSYSTEMS

Title (fr)
SUIVI COHERENT DE RECEPTEUR IBOC FM A L'AIDE D'UN SYSTEME D'ANTENNES DE RECEPTION EN DIVERSITE PAR COMMUTATION

Publication
EP 1685688 A2 20060802 (EN)

Application
EP 04810923 A 20041112

Priority

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Abstract (en)
[origin: WO2005050865A2] A method is provided for coherently tracking a radio signal including a plurality of digitally modulated reference subcarriers. The method comprises the steps of receiving symbols transmitted on the reference subcarriers, combining the reference subcarrier symbols with a known reference sequence conjugate to produce a plurality of samples, median filtering the samples to produce filtered samples, and smoothing the samples for each of the reference subcarriers over the plurality of reference subcarriers to produce a coherent reference signal estimate for each of the subcarriers. A receiver for coherently tracking a radio signal including at least one digitally modulated reference carrier is also provided.

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Citation (search report)
See references of WO 2005050865A2

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