

Title (en)

SIGNAL PROCESSING APPARATUS EMPLOYING THE SPECTRAL PROPERTY OF THE SIGNAL

Title (de)

SIGNALVERARBEITUNGSVORRICHTUNG DIE DIE SPEKTRALEN EIGENSCHAFTEN DES SIGNALS AUSNUTZT

Title (fr)

APPAREIL DE TRAITEMENT DE SIGNAUX UTILISANT UNE PROPRIETE SPECTRALE D'UN SIGNAL

Publication

EP 0956650 A1 19991117 (EN)

Application

EP 96936374 A 19961010

Priority

US 9616298 W 19961010

Abstract (en)

[origin: WO9816021A1] A method and apparatus for separating and removing distortion from interfering co-channel singals and suppressing adjacent-channel interfering signals of the Gaussian Minimum-Shift Keyed (GMSK) or other MSK type with filtering structures that exploit the cyclostationarity of the received GMSK or other MSK signals in order to accommodate a greater number (or the same number, but with greater quality) of transmitted signals received by one or more antennas than can be accommodated by existing filters. The parameters in these filtering structures are adapted by either of two adaptation apparatus that exploit both the known training sequence that is transmitted in most wireless communications systems, and the constant modulus property exhibited by each of the transmitted GMSK or other MSK signals.

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