

Title (en)

METHOD AND SYSTEM FOR IMPROVING ROBUSTNESS OF INTERFERENCE NULLING FOR ANTENNA ARRAYS

Title (de)

VERFAHREN UND SYSTEM ZUM VERBESSERN DER ROBUSTHEIT VON STÖRUNGSNULLSTELLUNG FÜR ANTENNEN-ARRAYS

Title (fr)

PROCÉDÉ ET SYSTÈME D'AMÉLIORATION DE LA ROBUSTESSE DE L'ANNULATION D'INTERFÉRENCE DE RÉSEAUX D'ANTENNE

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Application

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Abstract (en)

[origin: WO2008088353A1] The present invention discloses a method and system for improving the robustness of interference nulling for antenna arrays in a wireless communication network. The method is comprised of generating a first interference spatial signature from an interference signal matrix received by the antenna array, deriving a second interference spatial signature from the first interference spatial signature, calculating a covariance matrix from the second interference spatial signature, and generating a beamforming weighting vector from the covariance matrix.

IPC 8 full level

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