

Title (en)

REDUCED COMPLEXITY SLIDING WINDOW BASED EQUALIZER

Title (de)

ENTZERRER AUF SLIDING-WINDOW-BASIS MIT VERRINGERTER KOMPLEXITÄT

Title (fr)

EGALISEUR BASE SUR FENETRE DE GLISSEMENT A COMPLEXITE REDUITE

Publication

EP 1636900 A4 20070418 (EN)

Application

EP 04756111 A 20040624

Priority

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- US 48233303 P 20030625

Abstract (en)

[origin: WO2005004338A2] The present invention has many aspects. One aspect of the invention is to perform equalization using a sliding window approach. A second aspect reuses information derived for each window for use by a subsequent window. A third aspect utilizes a discrete Fourier transform based approach for the equalization. A fourth aspect relates to handling oversampling of the received signals and channel responses. A fifth aspect relates to handling multiple reception antennas. A sixth embodiment relates to handling both oversampling and multiple reception antennas.

IPC 8 full level

H04L 25/03 (2006.01); **H03D 1/04** (2006.01); **H04B 1/707** (2011.01)

IPC 8 main group level

H04B (2006.01)

CPC (source: EP KR)

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Citation (search report)

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- See references of WO 2005004338A2

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DOCDB simple family (publication)

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