Title (en)
MIMO EQUALIZATION WITH WEIGHTED COEFFICIENTS UPDATE

Title (de)
MIMO-ENTZERRUNG MIT GEWICHTETER KOEFFIZIENTENAKTUALISIERUNG

Title (fr)
ÉGALISATION MIMO AVEC MISE À JOUR DE COEFFICIENTS PONDÉRÉS

Publication
EP 4233210 A4 20231227 (EN)

Application
EP 21926085 A 20210217

Priority
CN 2021076668 W 20210217

Abstract (en)
[origin: WO2022174363A1] A signal processing device (1) processes a receiver signal (20) that has two components which are, or derive from, two polarization components of a received optical signal (23). The receiver signal comprises a plurality of frames (41-45). Each frame comprises a training sequence ("TS") and a payload sequence ("Data"). The payload sequence comprises N sections. A channel state information, CSI, estimator (10) determines CSI of each frame based on the training sequence of the frame. A 2x2 MIMO equalizer equalizes each section of the payload sequence of a current frame based on the CSI of L reference frames among the plurality of frames, wherein the CSI of the L reference frames is weighted. Thus, highly effective equalization is achieved.

IPC 8 full level
H04B 10/2507 (2013.01); **H04B 10/2569** (2013.01); **H04B 10/61** (2013.01)

CPC (source: EP)
H04B 10/2569 (2013.01); **H04B 10/2572** (2013.01); **H04B 10/6162** (2013.01)

Citation (search report)
- [XA] WO 2020052740 A1 20200319 - HUAWEI TECH CO LTD [CN], et al
- [A] WO 2013185845 A1 20131219 - HUAWEI TECH CO LTD [CN], et al
- [A] WO 2013020272 A1 20130214 - HUAWEI TECH CO LTD [CN], et al
- See references of WO 2022174363A1

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

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
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