Title (en)

RECOGNITION OF MODULATION TYPE BY MEANS OF A MARKED PHASE ROTATION FACTOR OF A TRAINING SEQUENCE

Title (de)

ERKENNUNG DER MODULATIONSART MITTELS EINES DER TRAININGSSEQUENZ AUFGEPRÄGTEN PHASENROTATIONSFAKTORS

Title (fr)

RECONNAISSANCE D'UN TYPE DE MODULATION AU MOYEN D'UN FACTEUR DE ROTATION DE PHASE MARQUE DE LA SEQUENCE D'APPRENTISSAGE

Publication

EP 1391093 A1 20040225 (DE)

Application

EP 02771624 A 20020506

Priority

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Abstract (en)

[origin: WO02096051A1] In order to carry out blind modulation detection, the data symbols of the training sequence are rotated on the transmitter side by a phase rotation factor which is specific for the type of modulation used; the data symbols are back-rotated or de-rotated on the receiver side by varous phase reduction factors and a correlation function is formed between the sequences thus obtained and the original training sequence. The type of modulation used is obtained from the phase rotation factor which provides a maximum correlation function.

IPC 1-7

H04L 27/00

IPC 8 full level

H04L 27/00 (2006.01)

CPC (source: EP US)

H04L 27/0008 (2013.01 - EP US); **H04L 27/0012** (2013.01 - EP US); **H04L 27/2017** (2013.01 - EP US); **H04L 27/2067** (2013.01 - EP US)

Citation (search report)

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DOCDB simple family (publication)

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