

Title (en)

A QAM CONSTELLATION WHICH IS ROBUST IN THE PRESENCE OF PHASE NOISE; ENCODER AND DECODER FOR THIS CONSTELLATION

Title (de)

BEI PHASENRAUSCHEN ROBUSTE QAM-KONSTELLATION SOWIE KODIERER UND DEKODIERER DAFÜR

Title (fr)

CONSTELLATION A MODULATION D'AMPLITUDE EN QUADRATURE, FAISANT PREUVE DE COHERENCE EN PRESENCE D'UN BRUIT DE PHASE; CODEUR ET DECODEUR POUR CETTE CONSTELLATION

Publication

**EP 0737394 A1 19961016 (EN)**

Application

**EP 95933569 A 19951020**

Priority

- IB 9500893 W 19951020
- US 32706594 A 19941021

Abstract (en)

[origin: WO9613111A1] A circularly symmetric QAM constellation reduces phase noise. Points of the constellation are situated on concentric circles. The constellation may be encoded and decoded either coherently or noncoherently. A differential encoder for the constellation does not operate by straight subtraction. A differential decoder for the constellation can use an estimated metric to recover the original signal.

IPC 1-7

**H04L 27/34**

IPC 8 full level

**H04L 27/34** (2006.01)

CPC (source: EP)

**H04L 27/3405** (2013.01)

Citation (search report)

See references of WO 9613111A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**WO 9613111 A1 19960502**; CN 1140521 A 19970115; EP 0737394 A1 19961016; JP H09507374 A 19970722

DOCDB simple family (application)

**IB 9500893 W 19951020**; CN 95191591 A 19951020; EP 95933569 A 19951020; JP 51375896 A 19951020