

Title (en)

ESTIMATION OF TRANSMISSION CHANNELS IN COMMUNICATION SYSTEMS FOR WIRELESS TELECOMMUNICATION

Title (de)

ÜBERTRAGUNGSKANALSCHÄTZUNG IN TELEKOMMUNIKATIONSSYSTEMEN MIT DRAHTLOSER TELEKOMMUNIKATION

Title (fr)

EVALUATION DE CANAUX DE TRANSMISSION DANS DES SYSTEMES DE COMMUNICATION POUR LA TELECOMMUNICATION SANS FIL

Publication

**EP 1038359 A2 20000927 (DE)**

Application

**EP 98955359 A 19980930**

Priority

- DE 9802894 W 19980930
- DE 19747369 A 19971027

Abstract (en)

[origin: DE19747369A1] Various channel pulse response correlations are used in a variety of ways to improve and simplify estimation of wireless transmission channels in telecommunication systems e.g. one of two messages which are intended for another sender/receiver are used for channel estimation. In addition or alternately, the difference between two channel pulse responses is determined. If this difference falls below a given limit an average channel pulse response is formed and /or sequences of training information or test signals are not transmitted in alternate bursts. In addition or alternately, the correlation of two channel pulse responses by means of look up tables can be used to estimate subscriber speed.

IPC 1-7

**H04B 1/00**

IPC 8 full level

**H04B 7/005** (2006.01); **H04B 7/08** (2006.01); **H04B 7/26** (2006.01); **H04J 3/00** (2006.01); **H04J 13/00** (2011.01); **H04L 25/02** (2006.01); **H04W 24/00** (2009.01)

CPC (source: EP KR US)

**H04B 7/0845** (2013.01 - EP US); **H04L 25/0202** (2013.01 - EP US); **H04W 24/00** (2013.01 - EP US); **H04W 72/0446** (2013.01 - KR); **H04W 24/00** (2013.01 - KR); **H04W 88/06** (2013.01 - KR)

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

**DE 19747369 A1 19990506**; AU 1223899 A 19990517; BR 9813306 A 20001128; CA 2308026 A1 19990506; CN 1153370 C 20040609; CN 1278376 A 20001227; EP 1038359 A2 20000927; JP 2001522157 A 20011113; KR 20010031509 A 20010416; RU 2235430 C2 20040827; US 6795427 B1 20040921; WO 9922454 A2 19990506; WO 9922454 A3 19991007

DOCDB simple family (application)

**DE 19747369 A 19971027**; AU 1223899 A 19980930; BR 9813306 A 19980930; CA 2308026 A 19980930; CN 98810622 A 19980930; DE 9802894 W 19980930; EP 98955359 A 19980930; JP 2000518449 A 19980930; KR 20007004550 A 20000427; RU 2000113208 A 19980930; US 53025600 A 20000426