

Title (en)

PHASE NOISE COMPENSATION IN COHERENT OPTICAL COMMUNICATIONS SYSTEMS

Title (de)

PHASENRAUSCHKOMPENSATION IN KOHÄRENTEN OPTISCHEN KOMMUNIKATIONSSYSTEMEN

Title (fr)

COMPENSATION DE BRUIT DE PHASE DANS DES SYSTÈMES DE COMMUNICATIONS OPTIQUES COHÉRENTS

Publication

EP 2599243 A1 20130605 (EN)

Application

EP 10751917 A 20100902

Priority

- EP 10171272 A 20100729
- EP 2010062866 W 20100902
- EP 10751917 A 20100902

Abstract (en)

[origin: WO2012013250A1] A method (10) of compensating phase noise in a coherent optical communications network. The method comprises: receiving a traffic sample (12); receiving an optical carrier and determining a phase noise estimate for the optical carrier (14); and removing the phase noise estimate from the traffic sample to form a phase noise compensated traffic sample (16).

IPC 1-7

H04B 10/145; **H04B 10/148**; **H04B 10/158**

IPC 8 full level

H04B 10/50 (2013.01); **H04B 10/60** (2013.01); **H04B 10/67** (2013.01)

CPC (source: EP)

H04B 10/50 (2013.01); **H04B 10/60** (2013.01); **H04B 10/671** (2013.01)

Citation (search report)

See references of WO 2012013250A1

Citation (examination)

EP 1443640 A1 20040804 - SIEMENS MOBILE COMM SPA [IT]

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