

Title (en)

Wire antenna for the reception of radiowaves on a vessel

Title (de)

Drahtantenne zum Empfangen von Mikrowellen auf einem Schiff

Title (fr)

Système d'antenne filaire de réception de signaux radioélectriques notamment pour un navire

Publication

**EP 2309594 B1 20190619 (FR)**

Application

**EP 10306056 A 20100929**

Priority

FR 0957056 A 20091009

Abstract (en)

[origin: EP2309594A1] The system has an information transmitting unit (1) including an optical fiber unit (7) whose end embarked on a ship is fixed with laser beam emission units having a laser diode (19). Another end of the optical fiber unit is located at an altitude different from that of the ship. An electro-absorption modulator (9) modulates laser beam based on radioelectric signals. The former end of the optical fiber unit has a recovery and opto-electrical conversion unit (10) for recovery and opto-electrical conversion of the modulated part of the beam so as to retrieve the signals. The optical fiber unit is placed in a protection cable constituted of an internal protection braid made of Kevlar(RTM: para-aramid synthetic fiber).

IPC 8 full level

**H01Q 1/30** (2006.01); **H01Q 1/34** (2006.01)

CPC (source: EP)

**H01Q 1/30** (2013.01); **H01Q 1/34** (2013.01)

Cited by

FR3064407A1; FR3064406A1; WO2018178062A1; WO2018178003A1

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 SE SI SK SM TR

DOCDB simple family (publication)

**EP 2309594 A1 20110413; EP 2309594 B1 20190619**; ES 2745483 T3 20200302; FR 2951322 A1 20110415; FR 2951322 B1 20111209

DOCDB simple family (application)

**EP 10306056 A 20100929**; ES 10306056 T 20100929; FR 0957056 A 20091009