

Title (en)

SOLID-STATE GYROLASER STABILISED BY ACOUSTO-OPTICAL DEVICES

Title (de)

DURCH AKUSTOOPTISCHEN VORRICHTUNGEN STABILISierter FESTKÖRPERGYROLASERKREISEL

Title (fr)

GYROLASER A ETAT SOLIDE STABILISE PAR DES DISPOSITIFS ACOUSTO-OPTIQUES

Publication

EP 1625353 A1 20060215 (FR)

Application

EP 04741486 A 20040428

Priority

- EP 2004050629 W 20040428
- FR 0305902 A 20030516

Abstract (en)

[origin: FR2854947A1] The gyro laser has an optical cavity (1) with three mirrors (11,12,13) in an amplifier surround (19) and a server system (4,42,43). The server system carries an acoustic optical modulator (2) with an interaction surround (21) placed on the optical counter trajectory and a piezoelectric transducer (22) generating a periodic acoustic wave optical interaction.

IPC 1-7

G01C 19/66; **G01P 3/36**

IPC 8 full level

G01C 19/64 (2006.01); **G01C 19/66** (2006.01); **G01P 3/36** (2006.01)

CPC (source: EP US)

G01C 19/66 (2013.01 - EP US)

Citation (search report)

See references of WO 2004102120A1

Citation (examination)

DATABASE WPI Section EI Week 199433, Derwent World Patents Index; Class V08, AN 1994-270947, NANII N V; NANII O E; ZINOVEVA T V: "RING LASER WITH ACOUSTOOPTICAL SYNCHRONIZATION OF MODES"

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

FR 2854947 A1 20041119; **FR 2854947 B1 20050701**; CN 1791784 A 20060621; CN 1791784 B 20100818; EP 1625353 A1 20060215; JP 2007505325 A 20070308; RU 2005139157 A 20070627; RU 2350904 C2 20090327; US 2006285118 A1 20061221; US 7446879 B2 20081104; WO 2004102120 A1 20041125

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