

Title (en)
STABILISED SOLID-STATE LASER GYROSCOPE

Title (de)
STABILISIERTER FESTKÖRPER-LASERKREISEL

Title (fr)
GYROLASER A ETAT SOLIDE STABILISE

Publication
EP 1606584 A1 20051221 (FR)

Application
EP 04722577 A 20040323

Priority
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Abstract (en)
[origin: FR2853061A1] The laser has an optical ring cavity (1) with warning systems (4, 42, 43) having an optical unit at an interior of the optical cavity. The warning systems have reciprocating effect and non-reciprocating effect devices (7, 8) acting on polarization state of two counter propagating modes. The warning systems have a regulating unit to regulate the reciprocating or non-reciprocating effects of the respective devices. The ring cavity includes three mirrors (11-13), a solid state amplifier medium (19), and the warning systems, which are arranged to have two counter propagating modes.

IPC 1-7
G01C 19/66; **H01S 3/083**

IPC 8 full level
G01C 19/66 (2006.01); **G01C 19/72** (2006.01); **H01S 3/06** (2006.01); **H01S 3/083** (2006.01); **H01S 3/136** (2006.01); **H01S 3/139** (2006.01)

CPC (source: EP US)
G01C 19/661 (2013.01 - EP US); **H01S 3/0604** (2013.01 - EP US); **H01S 3/0606** (2013.01 - EP US); **H01S 3/0621** (2013.01 - EP US); **H01S 3/0627** (2013.01 - EP US); **H01S 3/08059** (2013.01 - EP US); **H01S 3/083** (2013.01 - EP US); **H01S 3/136** (2013.01 - EP US); **H01S 3/139** (2013.01 - EP US)

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FR 2853061 A1 20041001; **FR 2853061 B1 20060120**; CN 1764825 A 20060426; CN 1764825 B 20100526; EP 1606584 A1 20051221; JP 2006521545 A 20060921; RU 2005132627 A 20070427; RU 2331846 C2 20080820; US 2006256828 A1 20061116; US 7548572 B2 20090616; WO 2004094952 A1 20041104

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