

Title (en)
COMPACT SINGLE FREQUENCY LASER

Title (de)
KOMPAKTER MONOFREQUENTER LASER

Title (fr)
LASER COMPACT À FRÉQUENCE UNIQUE

Publication
EP 2664037 A4 20171122 (EN)

Application
EP 11855776 A 20110113

Priority
US 2011021086 W 20110113

Abstract (en)
[origin: WO2012096664A1] A single frequency laser system is configured with an elongated housing extending along a longitudinal axis and having opposite axially spaced upstream and downstream ends. The housing encloses a laser chip configured to emit a radiation which propagates along a light path and emitted through the downstream faucet thereof. One or more spaced frequency discriminators are mounted in the housing downstream from the chip so as to define an external resonant cavity with the upstream faucet of the of the laser chip. At least two or more separate thermoelectric coolers ("TEC") are mounted in the housing to affect the chip and discriminators so as to the output of the system at the desired frequency.

IPC 8 full level
H01S 5/024 (2006.01); **H01S 5/14** (2006.01); **H01S 3/067** (2006.01); **H01S 3/094** (2006.01); **H01S 3/0941** (2006.01); **H01S 5/00** (2006.01); **H01S 5/022** (2006.01); **H01S 5/068** (2006.01)

CPC (source: EP)
H01S 5/02446 (2013.01); **H01S 5/141** (2013.01); **H01S 5/146** (2013.01); **H01S 3/06754** (2013.01); **H01S 3/094003** (2013.01); **H01S 3/09415** (2013.01); **H01S 5/0064** (2013.01); **H01S 5/02208** (2013.01); **H01S 5/02251** (2021.01); **H01S 5/02415** (2013.01); **H01S 5/06804** (2013.01); **H01S 5/142** (2013.01)

Citation (search report)

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CN107367791A

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