

Title (en)
MODE-COUPLED LASER

Title (de)
MODENGEKOPPELTER LASER

Title (fr)
LASER A MODES COUPLES

Publication
EP 1243054 A1 20020925 (DE)

Application
EP 00985237 A 20001222

Priority
• DE 19962047 A 19991222
• EP 0013138 W 20001222

Abstract (en)
[origin: WO0147075A1] The invention relates to a laser comprising coupling out means for emitting a laser performance which is dependent on a parameter that can be influenced and mode coupling means for coupling a plurality of laser-capacity modes of the resonator. The invention is characterised by the provision of detection means (7) for detecting a variable which relates to the emitted laser performance and parameter modification means (8) for modifying the parameter(s) in response to the variable which has been detected.

IPC 1-7
H01S 3/098; **H01S 3/13**; **H01S 3/131**

IPC 8 full level
H01S 3/10 (2006.01); **H01S 3/098** (2006.01); **H01S 3/13** (2006.01); **H01S 3/11** (2006.01); **H01S 3/131** (2006.01)

CPC (source: EP US)
H01S 3/1118 (2013.01 - EP US); **H01S 3/13** (2013.01 - EP US); **H01S 3/1109** (2013.01 - EP US); **H01S 3/1127** (2013.01 - EP US);
H01S 3/1312 (2013.01 - EP US)

Citation (search report)
See references of WO 0147075A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 0147075 A1 20010628; DE 19962047 A1 20010628; EP 1243054 A1 20020925; JP 2004500709 A 20040108; US 2003142706 A1 20030731;
US 6819690 B2 20041116

DOCDB simple family (application)
EP 0013138 W 20001222; DE 19962047 A 19991222; EP 00985237 A 20001222; JP 2001547704 A 20001222; US 14990002 A 20021107