

Title (en)
METHOD AND DEVICE FOR REGULATING A MEDIUM WITH AN AMPLIFYING EFFECT, ESPECIALLY A FIBER OPTICAL WAVEGUIDE

Title (de)
VERFAHREN UND VORRICHTUNG ZUR REGELUNG EINES VERSTÄRKEND WIRKENDEN MEDIUMS, INSBESONDERE EINER LICHTLEITFASER

Title (fr)
PROCEDE ET DISPOSITIF DE REGULATION D'UN MILIEU A ACTION D'AMPLIFICATION, EN PARTICULIER D'UNE FIBRE OPTIQUE

Publication
EP 1273077 A1 20030108 (DE)

Application
EP 01907345 A 20010111

Priority
• DE 0100094 W 20010111
• DE 10018357 A 20000413

Abstract (en)
[origin: WO0180381A1] The invention relates to a method and a device for regulating the optical amplification of a medium with an amplifying effect, especially a doped fiber optical waveguide. The intensity of the amplified spontaneous emission is used as a regulating variable for the amplification power, especially the power of a pump laser.

IPC 1-7
H01S 3/094; **H01S 3/131**; **H01S 3/067**; **H01S 5/0683**; **H01S 5/50**; **H04B 10/17**; **G02F 1/09**

IPC 8 full level
G02B 6/00 (2006.01); **G02B 27/28** (2006.01); **H01S 3/06** (2006.01); **H01S 3/10** (2006.01); **H01S 3/23** (2006.01); **H01S 5/0683** (2006.01); **H04B 10/04** (2006.01); **H04B 10/06** (2006.01); **H04B 10/07** (2013.01); **H04B 10/14** (2006.01); **H04B 10/16** (2006.01); **H04B 10/17** (2006.01); **H04B 10/2507** (2013.01); **H04B 10/29** (2013.01); **H04B 10/293** (2013.01); **H04B 10/294** (2013.01); **H04B 10/564** (2013.01); **H04B 10/572** (2013.01); **G02F 1/095** (2006.01)

CPC (source: EP US)
H01S 3/0064 (2013.01 - EP US); **H01S 3/06758** (2013.01 - EP US); **H01S 3/10015** (2013.01 - EP US); **H01S 3/13013** (2019.07 - EP US); **H01S 5/06832** (2013.01 - EP US); **G02F 1/0955** (2013.01 - EP US); **H01S 3/1608** (2013.01 - EP US); **H01S 2301/02** (2013.01 - EP US); **H01S 2301/06** (2013.01 - EP US)

Citation (search report)
See references of WO 0180381A1

Designated contracting state (EPC)
DE FR GB IT SE

DOCDB simple family (publication)
WO 0180381 A1 20011025; CN 1423853 A 20030611; EP 1273077 A1 20030108; JP 2004520702 A 20040708; US 2003147126 A1 20030807

DOCDB simple family (application)
DE 0100094 W 20010111; CN 01808029 A 20010111; EP 01907345 A 20010111; JP 2001577667 A 20010111; US 25771002 A 20021015