

Title (en)

DEVICE AND METHOD FOR CHARACTERIZING A LASER BEAM

Title (de)

VORRICHTUNG UND VERFAHREN ZUR CHARAKTERISIERUNG EINES LASERSTRAHLS

Title (fr)

DISPOSITIF ET PROCEDE POUR CARACTERISER UN FAISCEAU LASER

Publication

EP 2612158 A1 20130710 (FR)

Application

EP 11749458 A 20110902

Priority

- FR 1057007 A 20100903
- EP 2011065227 W 20110902

Abstract (en)

[origin: WO2012028726A1] The invention relates to a device (1) and a method for measuring a magnetization generated within an active medium (10) or characterizing a linearly polarized electromagnetic wave when said active medium exhibits an inverse Cotton-Mouton effect, characterized in that it includes, in combination, at least one of the following elements: an active medium (10) in which a linearly polarized electromagnetic wave propagates; a means (11, 12) for producing a transverse magnetic field B_t relative to the propagation direction D_1 of said electromagnetic wave; and a device (2) for measuring the electrical signal appropriate for translating the magnetization generated within said active medium (10) by said electromagnetic wave.

IPC 8 full level

G01R 33/032 (2006.01); **G01J 1/42** (2006.01); **G01J 4/00** (2006.01); **H01S 3/00** (2006.01)

CPC (source: EP US)

G01J 1/4257 (2013.01 - EP US); **G01J 4/00** (2013.01 - EP US); **G01R 33/032** (2013.01 - EP US); **G01R 33/1215** (2013.01 - US); **H01S 3/0014** (2013.01 - EP US)

Citation (search report)

See references of WO 2012028726A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2012028726 A1 20120308; EP 2612158 A1 20130710; FR 2964504 A1 20120309; FR 2964504 B1 20120928; US 2014145715 A1 20140529

DOCDB simple family (application)

EP 2011065227 W 20110902; EP 11749458 A 20110902; FR 1057007 A 20100903; US 201113820515 A 20110902