

Title (en)

Calibratable microwave circuit with illuminable GaAs FET,calibrating device and process

Title (de)

Kalibrierbare Mikrowellen-Schaltung mit beleuchtbaren GaAs-FET sowie Kalibriervorrichtung und Verfahren zur Kalibrierung

Title (fr)

Circuit calibrable à micro-ondes avec un transistor éclairable en GaAs à effet de champ,dispositif et procédé de calibrage

Publication

EP 1715543 B1 20070704 (DE)

Application

EP 06012897 A 20050422

Priority

- EP 05733713 A 20050422
- DE 102004024367 A 20040517

Abstract (en)

[origin: WO2005114774A2] An electronic microwave circuit (1) with GaAs field effect transistors (15) integrated on a semiconductor substrate (5) for switching electric input high-frequency signals (16) has at least one light source (2) for illuminating the GaAs field effect transistors (15). The light intensity of the light source (2) and/or its colour can be modified during operation. A calibrating device (20) calibrates the light intensity and/or colour of the light source (2) according to the claimed process.

IPC 8 full level

H01P 1/15 (2006.01); **H01P 1/22** (2006.01); **H03H 11/14** (2006.01); **H03H 11/24** (2006.01); **H03K 17/041** (2006.01); **H03K 17/16** (2006.01); **H03K 17/687** (2006.01)

CPC (source: EP US)

H01P 1/15 (2013.01 - EP US); **H01P 1/22** (2013.01 - EP US)

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

WO 2005114774 A2 20051201; **WO 2005114774 A3 20060105**; DE 102004024367 A1 20051222; DE 502005000357 D1 20070322; DE 502005000980 D1 20070816; EP 1654778 A2 20060510; EP 1654778 B1 20070131; EP 1715543 A1 20061025; EP 1715543 B1 20070704; US 2007176129 A1 20070802; US 7498552 B2 20090303

DOCDB simple family (application)

EP 2005004330 W 20050422; DE 102004024367 A 20040517; DE 502005000357 T 20050422; DE 502005000980 T 20050422; EP 05733713 A 20050422; EP 06012897 A 20050422; US 57574105 A 20050422