Title (en)

OPTOELECTRONIC COMPONENT HAVING A RESONATOR

Title (de)

OPTOELEKTRONISCHES BAUELEMENT MIT RESONATOR

Title (fr)

COMPOSANT OPTOÉLECTRONIQUE À RÉSONATEUR

Publication

EP 3283910 A1 20180221 (DE)

Application

EP 16730679 A 20160412

Priority

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Abstract (en)

[origin: WO2016165708A1] The invention relates to an optoelectronic component (1) comprising an optical waveguide (30), an integrated optical resonator (60), in which the waveguide (30) or at least a portion of the waveguide (30) is arranged, and a heat source (2) which can increase the temperature of the resonator (60) during operation. According to the invention, it is provided that a web region (40) adjoins laterally the waveguide (30) when viewed in the longitudinal direction of the waveguide (30), said web region forming a jacket portion of the waveguide (30) and having a smaller thickness than the waveguide (30), and that the heat source (2) is thermally connected to the waveguide (30) by means of said web region (40).

IPC 8 full level

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Citation (examination)

MASOOD ADIL ET AL: "Comparison of heater architectures for thermal control of silicon photonic circuits", 10TH INTERNATIONAL CONFERENCE ON GROUP IV PHOTONICS, IEEE, 28 August 2013 (2013-08-28), pages 83 - 84, XP032513436, ISSN: 1949-2081, [retrieved on 20131022], DOI: 10.1109/GROUP4.2013.6644437

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