

Title (en)

ETCHED-FACET RIDGE LASERS WITH ETCH-STOP

Title (de)

RIDGE-LASER MIT GEÄTZTEN FACETTEN MIT ÄTZSTOPP

Title (fr)

LASERS A SAILLIE A FACETTE GRAVEE DOTES D'ARRET DE GRAVURE

Publication

**EP 2102950 A1 20090923 (EN)**

Application

**EP 06848109 A 20061226**

Priority

US 2006049182 W 20061226

Abstract (en)

[origin: WO2008079120A1] A photonic device incorporate an epitaxial structure having an active region, and which includes a wet etch stop layer above, but close to, the active region. An etched-facet ridge laser is fabricated on the epitaxial structure by dry etching followed by wet etching. The dry etch is designed to stop before reaching the depth needed to form the ridge. The wet etch completes the formation of the ridge and stops at the wet etch stop layer.

IPC 8 full level

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CPC (source: EP)

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