

Title (en)
DEVICES INCLUDING EPITAXIAL LAYERS OF DISSIMILAR CRYSTALLINE MATERIALS

Publication
EP 0000638 B1 19810225 (EN)

Application
EP 78300157 A 19780717

Priority
US 81572077 A 19770714

Abstract (en)
[origin: US4136350A] A device includes a layer (12) of one material epitaxially grown on another material (11). The materials have lattice constants which are in the ratio of an integer other than unity. For example one material (12) may be a semiconductor and the other a garnet (11). Thus magneto-optic (15) and electro-optic (13) devices can be combined on the same substrate to form integrated-optics devices.

IPC 1-7
H01L 29/04; **H01L 27/15**; **H01L 21/208**; **G02F 1/09**

IPC 8 full level
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CPC (source: EP US)
G02F 1/095 (2013.01 - EP US); **H01L 21/0242** (2013.01 - EP US); **H01L 21/02546** (2013.01 - EP US); **H01L 27/15** (2013.01 - EP US); **H01L 29/04** (2013.01 - EP US)

Cited by
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