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(54) **OPTICAL WAVEGUIDE AND MANUFACTURING METHOD OF OPTICAL WAVEGUIDE**

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See application file for complete search history.

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(57) **ABSTRACT**

An optical waveguide of the present invention is an optical waveguide having a first rib and a second rib being provided on a slab layer along one direction from one side to the other side and a barrier layer being connected between said first rib and said second rib, in which: the first rib includes a first taper part having a width widening from a first end in said one side to a second end connected with said barrier layer; and the second rib includes a first layer and a second layer laminated on a face of said slab layer in turn.

17 Claims, 18 Drawing Sheets

