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The invention relates to optoelectronics, particularly to random microlasers that can be used in spectroscopy, medical diagnostics, display production etc.

The process for random microlaser obtaining includes doping of a porous semiconductor template by pyrolysis of precursor compounds of the rare-earth or transition metals with simultaneous oxidation thereof. For that the template is impregnated with an aqueous solution of said precursors, afterwards it is subjected to thermal treatment during an hour at a temperature of up to 1200°C, in an atmosphere formed of inert gas with oxygen additive.

Claims: 1

Fig.: 5