

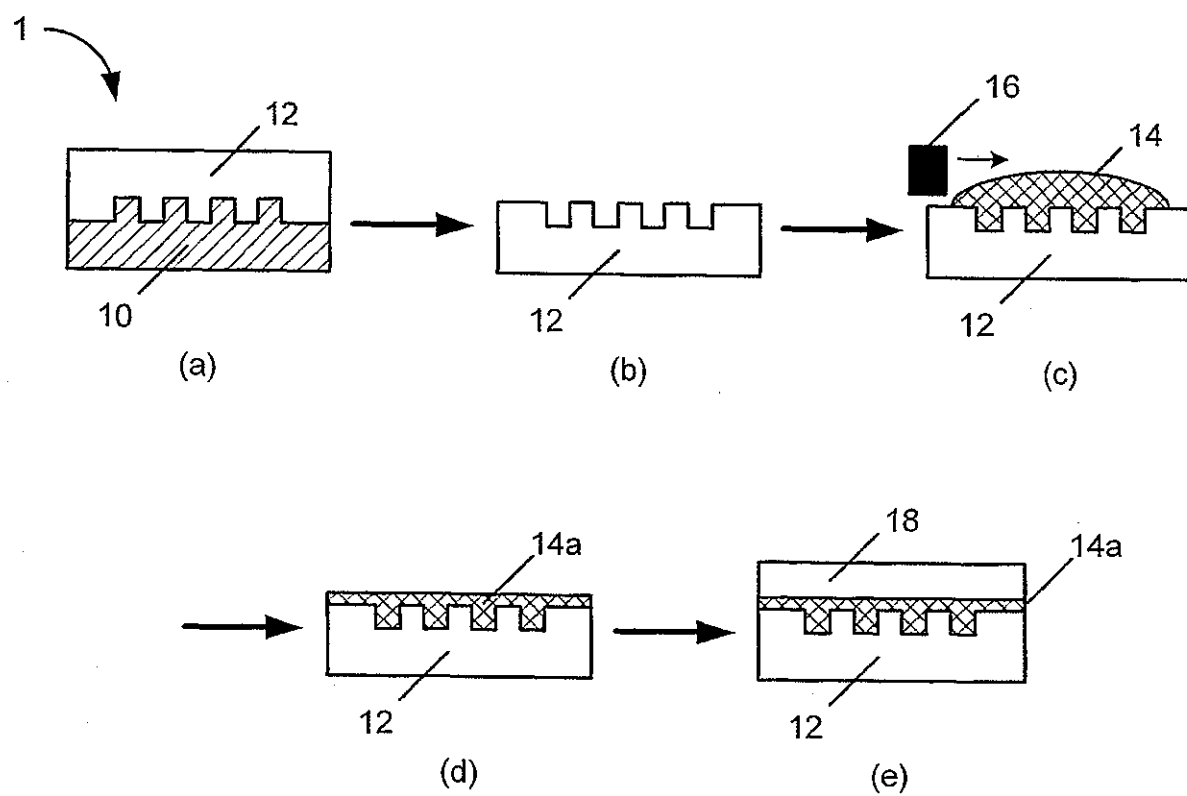


FIG. 1

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Three-layer rib waveguides

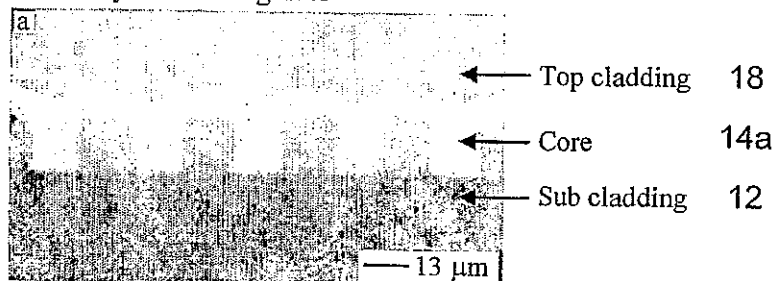


FIG. 2A

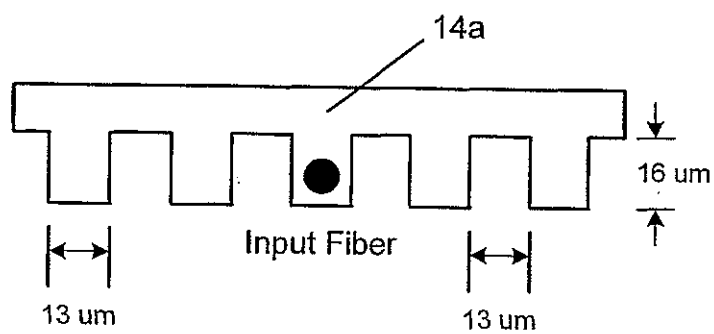


FIG. 2B

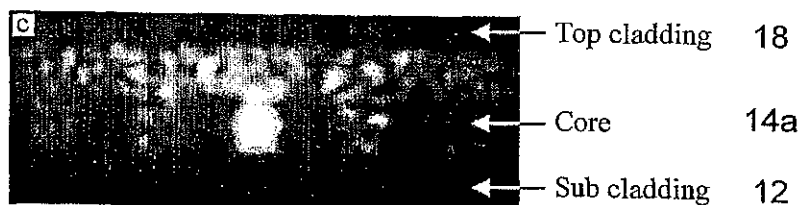


FIG. 2C

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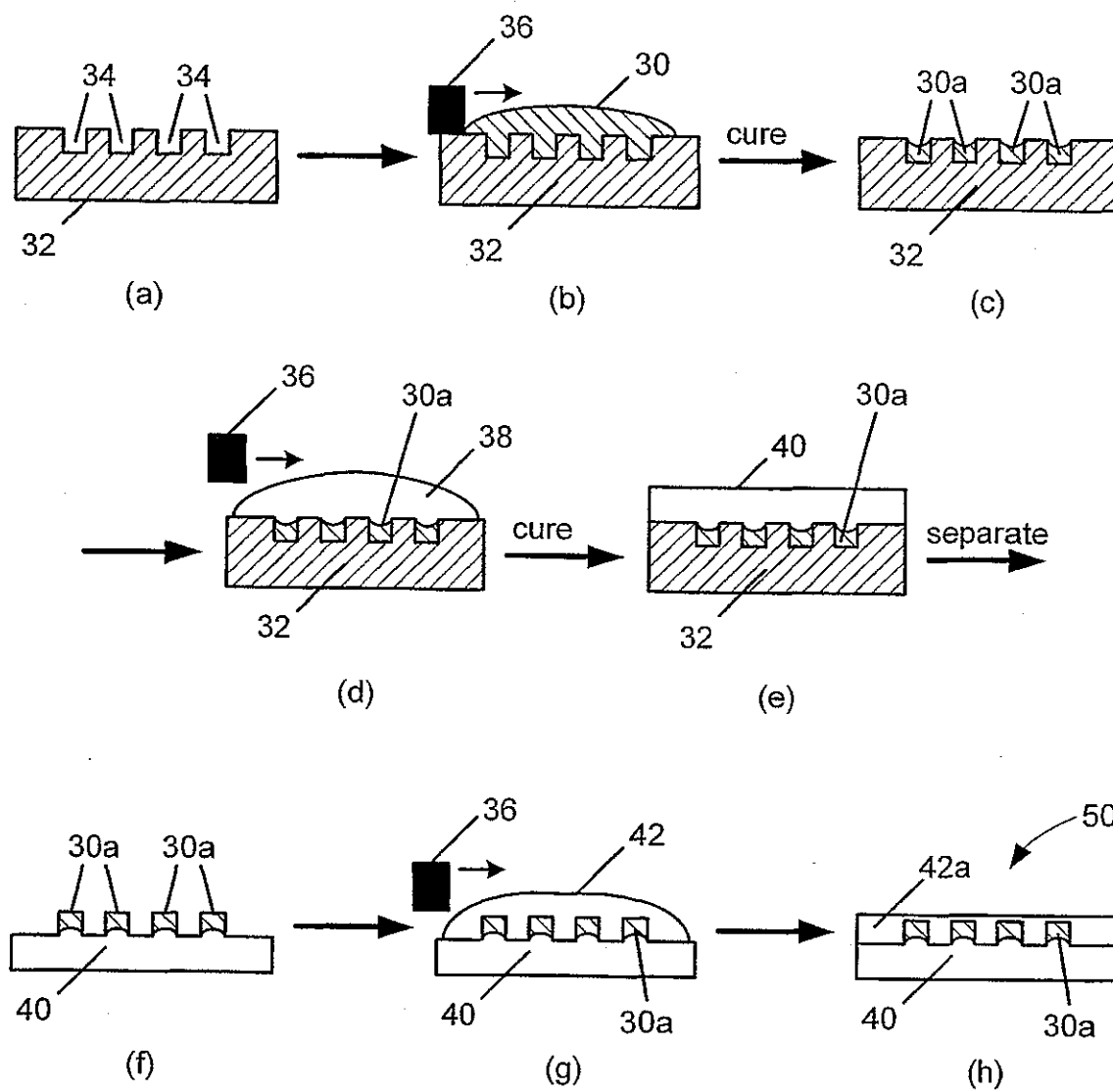


FIG. 3

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Two-layer waveguides

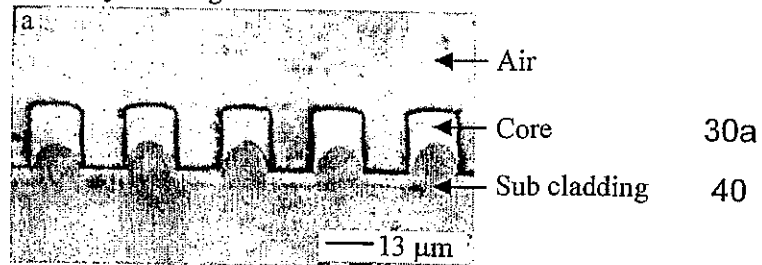


FIG. 4A

Three-layer waveguides

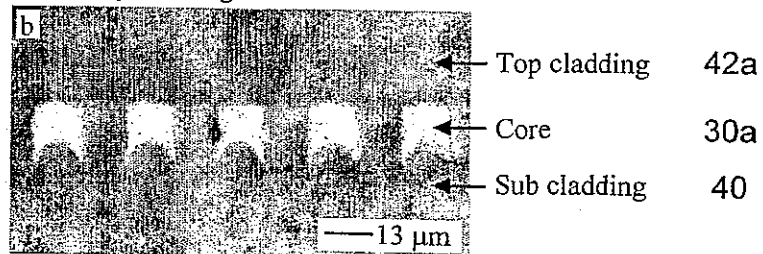


FIG. 4B

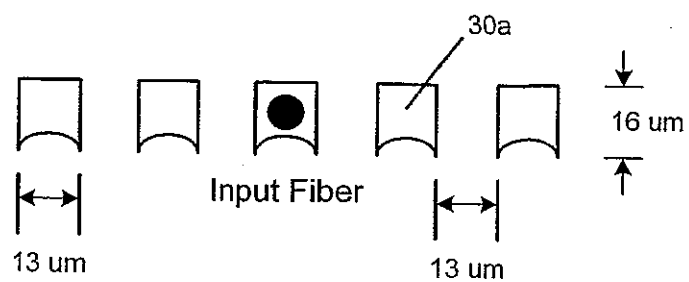


FIG. 4C

Output



FIG. 4D

Clad-first

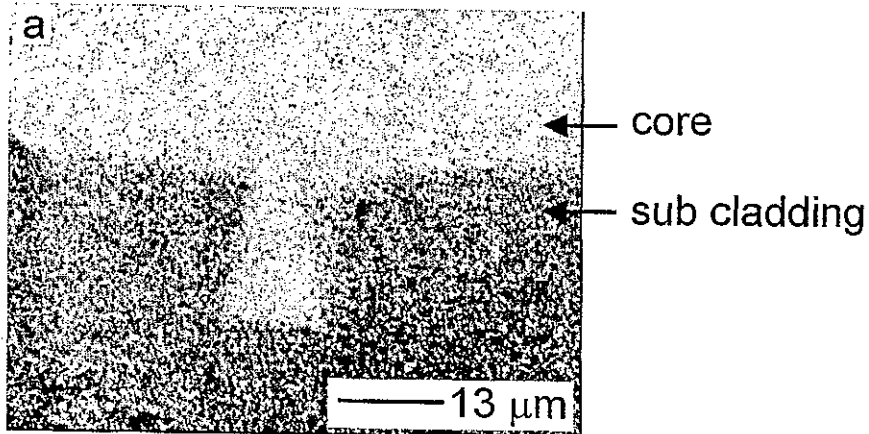


FIG. 5A

Core-first

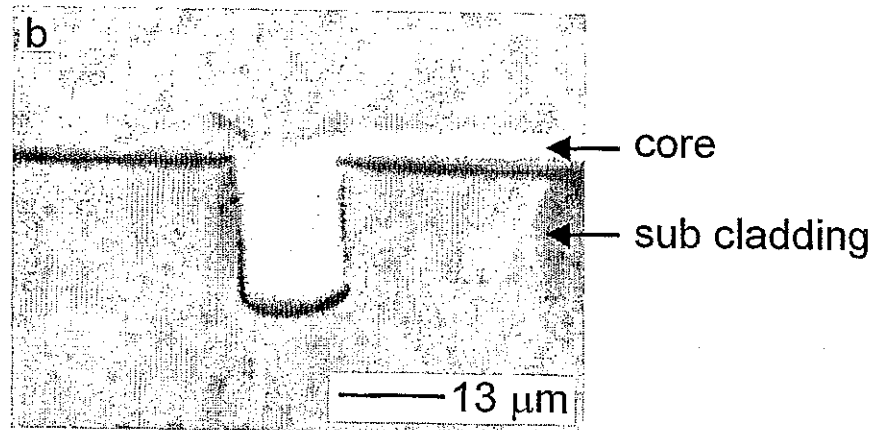


FIG. 5B

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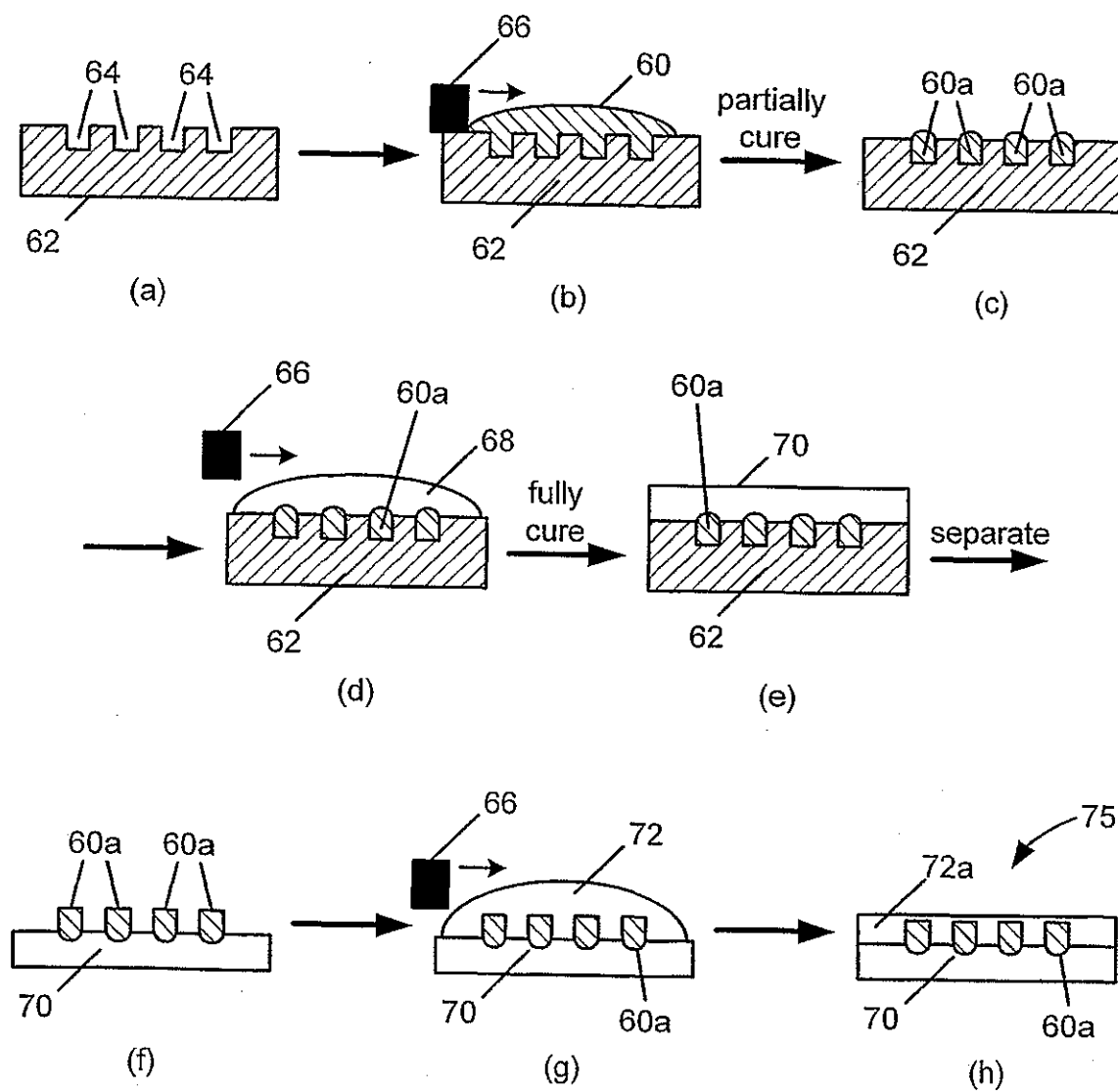


FIG. 6

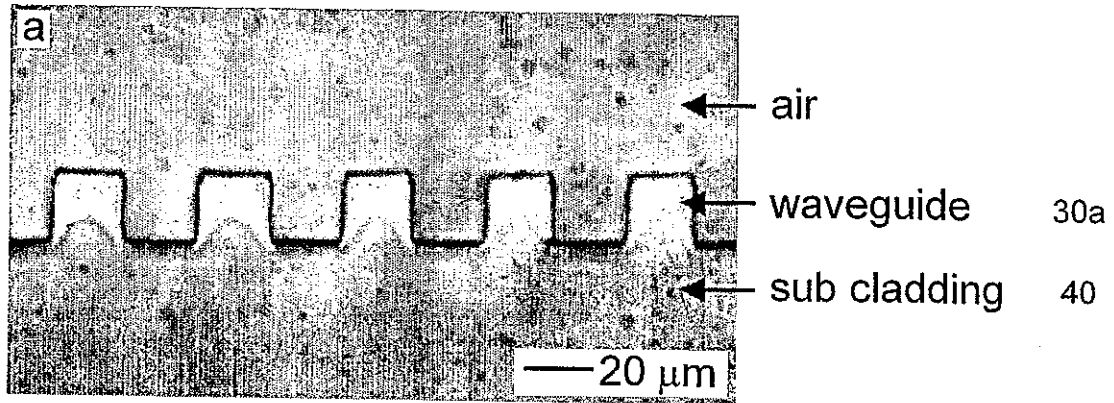


FIG. 7A

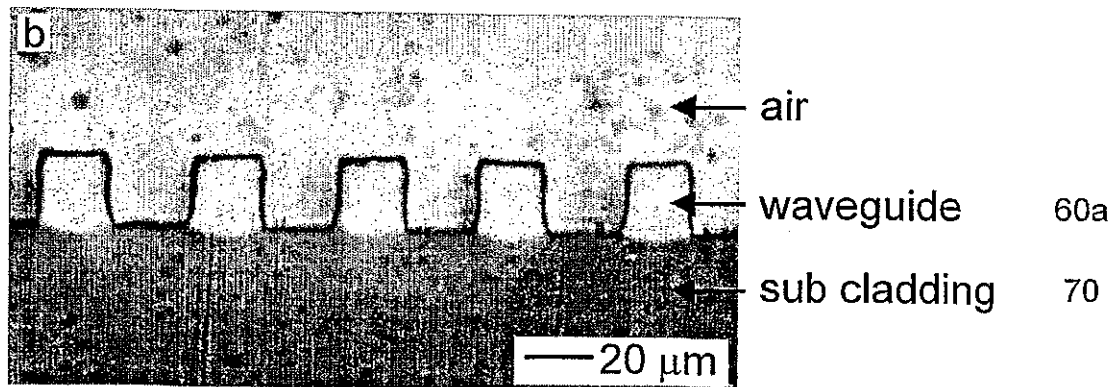


FIG. 7B

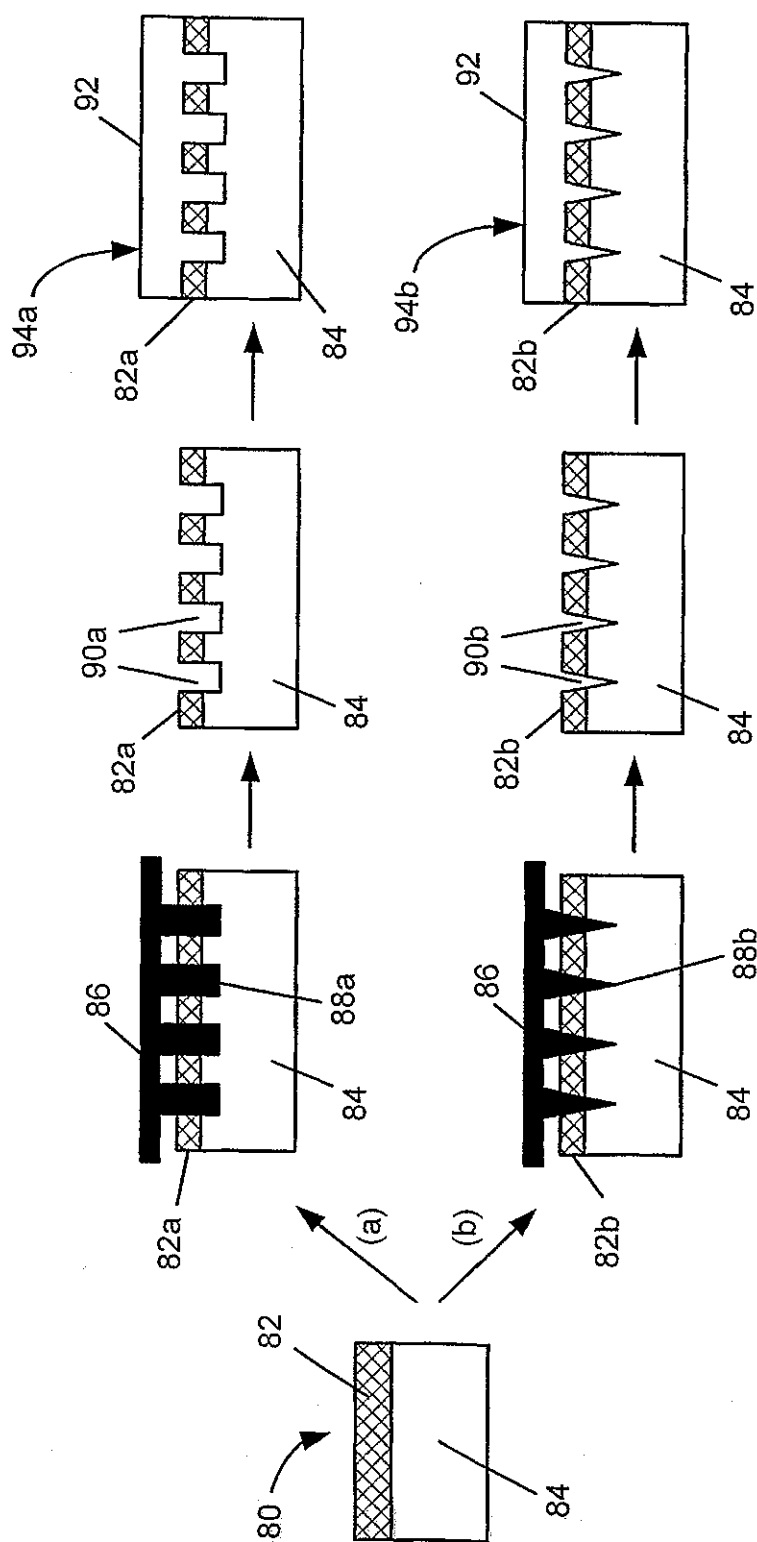


FIG. 8

FIG. 9A

Two-layer waveguides

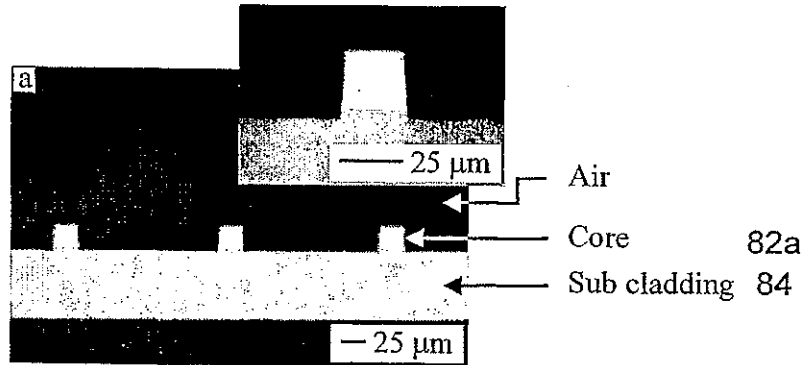


FIG. 9B

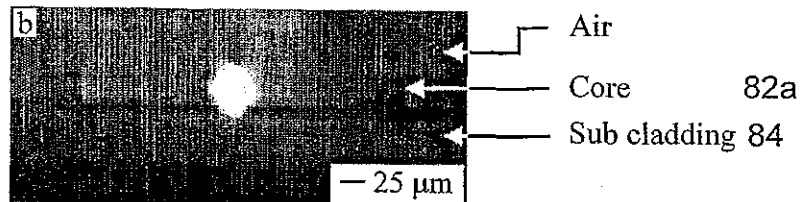


FIG. 9C

Three-layer waveguides

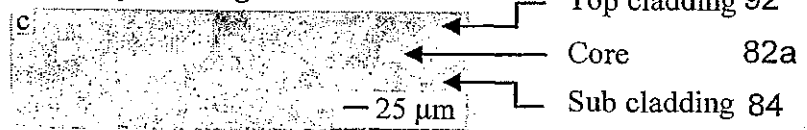


FIG. 9D

