

Multi-frequency miniature fiber guide or waveguide laser with distributed Fabry-Perot like grating superstructure

A multi-wavelength laser source is provided including a pump laser unit, a gain section and an output. The pump laser unit generates an energy signal, which is applied to the gain section. The gain section includes a gain medium with having a superstructure grating forming a distributed Babry-Perot-like structure. The superstructure grating causes a multi-wavelength laser signal to be generated when the energy signal is applied to the gain medium. The multi-wavelength laser signal is then released at the output.
