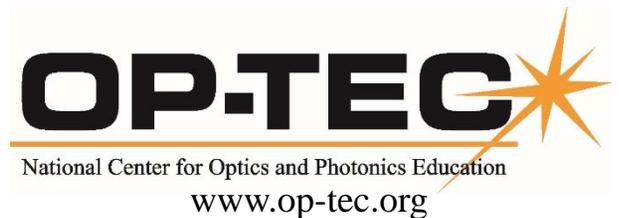


Fiber Lasers and Their Applications

Module 2-5
Of

Course 2, *Laser Systems and Applications*
2nd Edition



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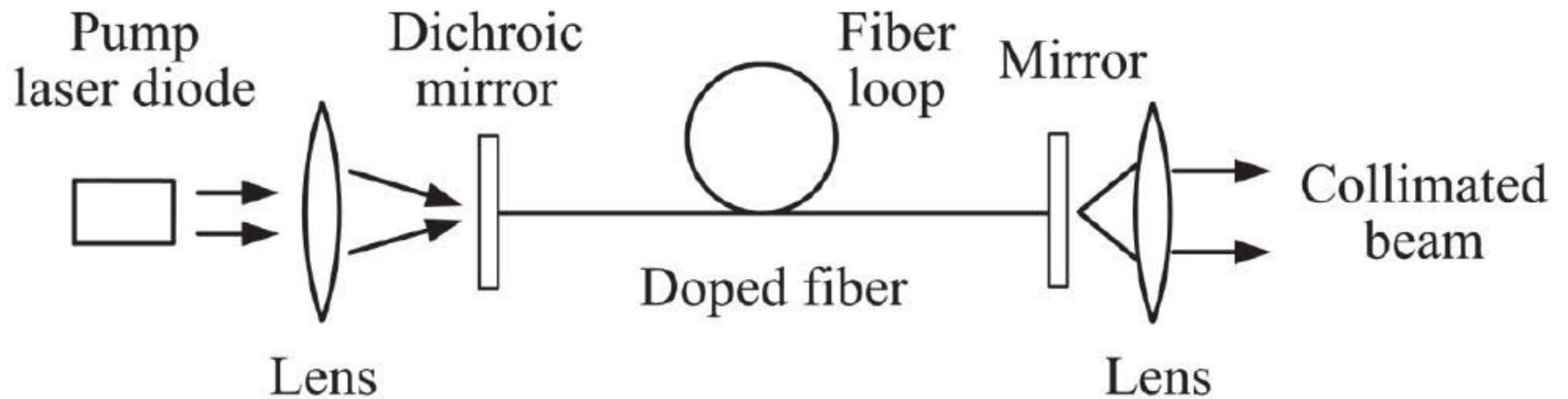


Figure 5-1 *Arrangement of a simple fiber laser*

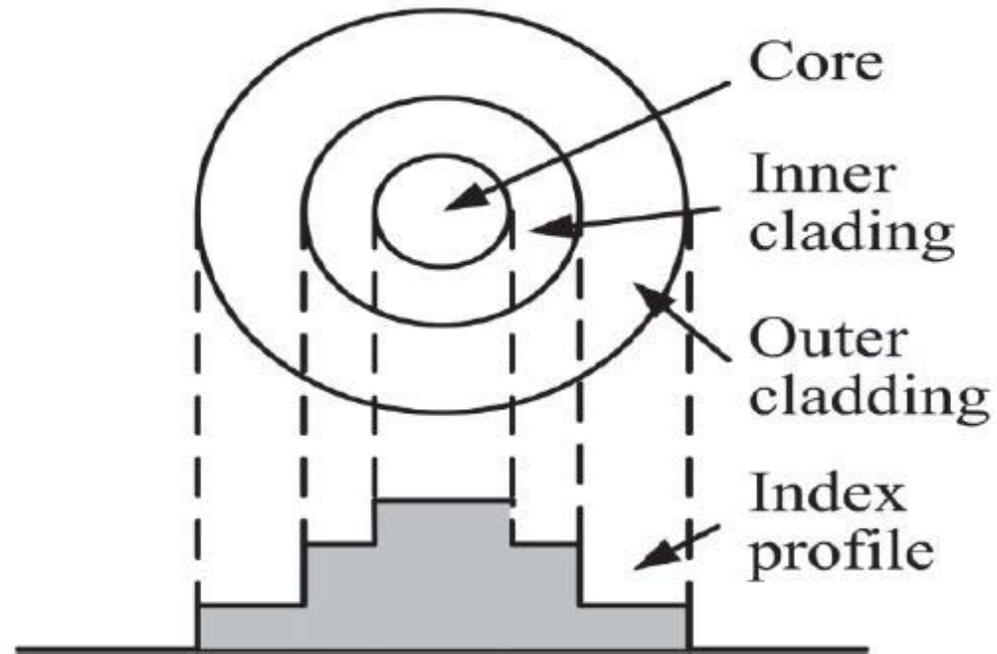


Figure 5-2 *Profile of the index of refraction through the center of a circular double-clad fiber*

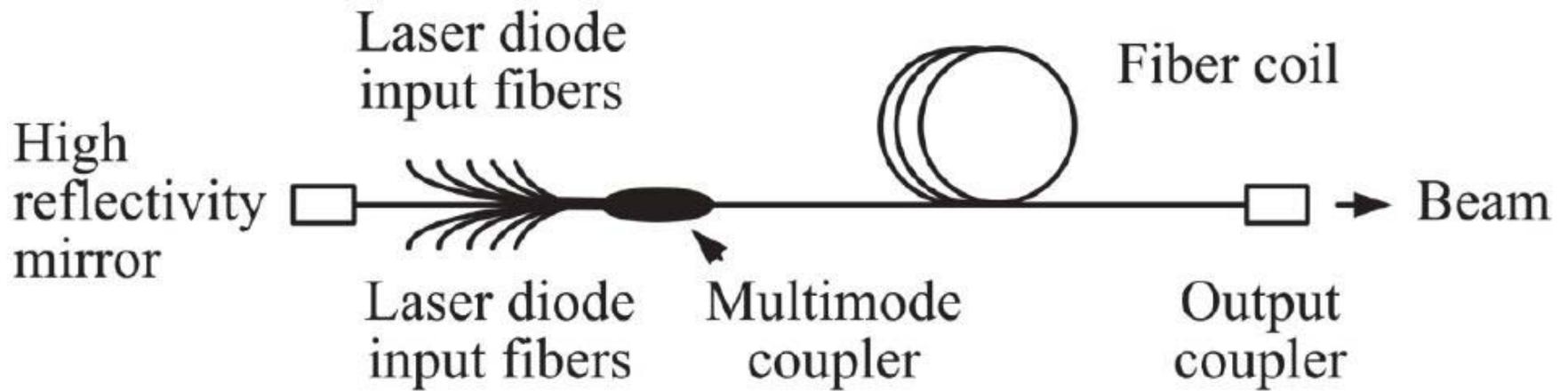


Figure 5-3 *Schematic diagram of pumping a fiber with multiple laser diode sources*

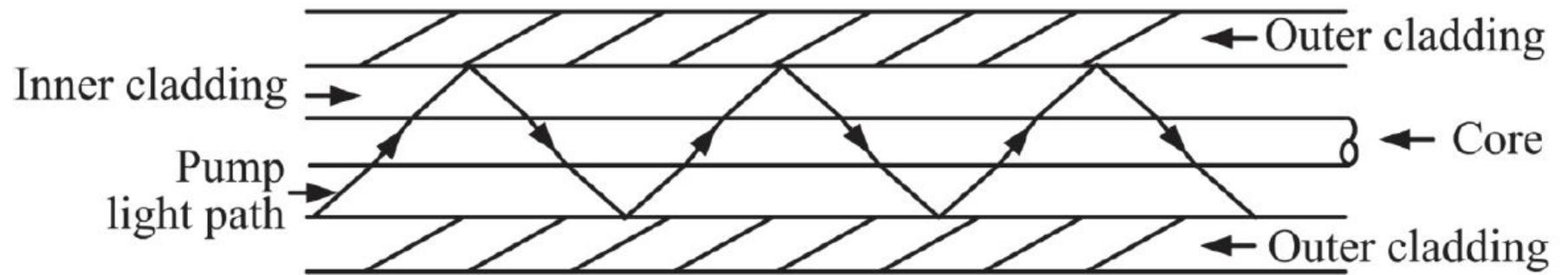


Figure 5-4 *Propagation of light along the inner cladding of a fiber laser*

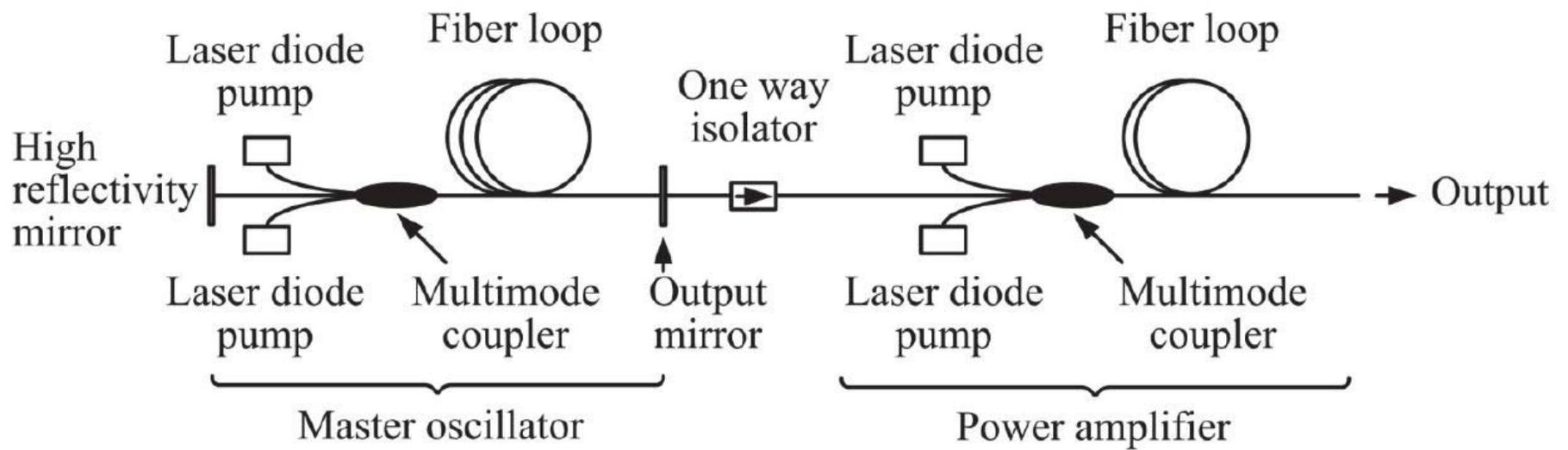


Figure 5-5 *Schematic diagram of a core-pumped fiber MOPA*

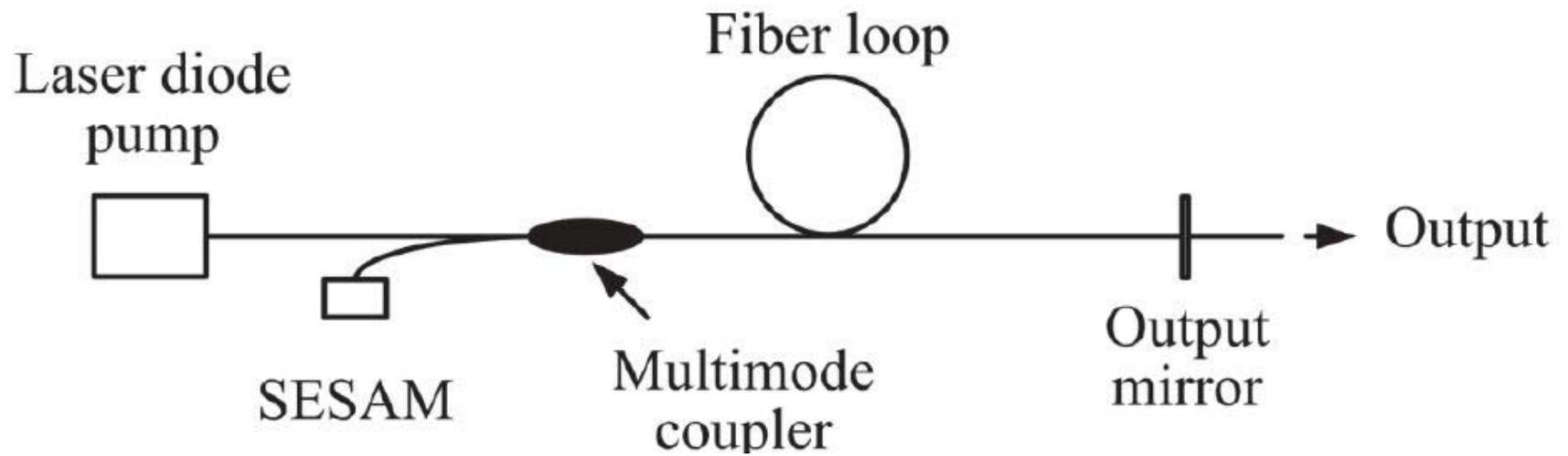


Figure 5-6 *Simple design for a Q-switched fiber laser*

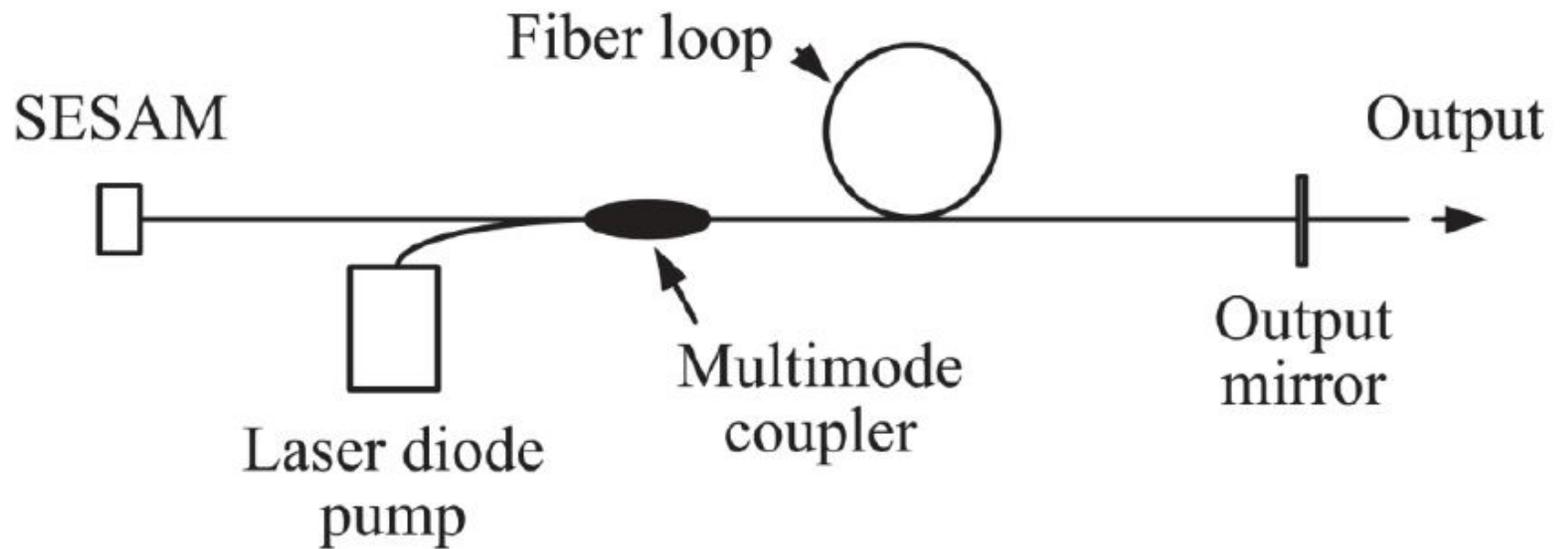


Figure 5-7 *Simplified schematic diagram of a passively mode locked laser using a SESAM. The configuration is basically the same as that of Figure 5-6 for Q-switching.*

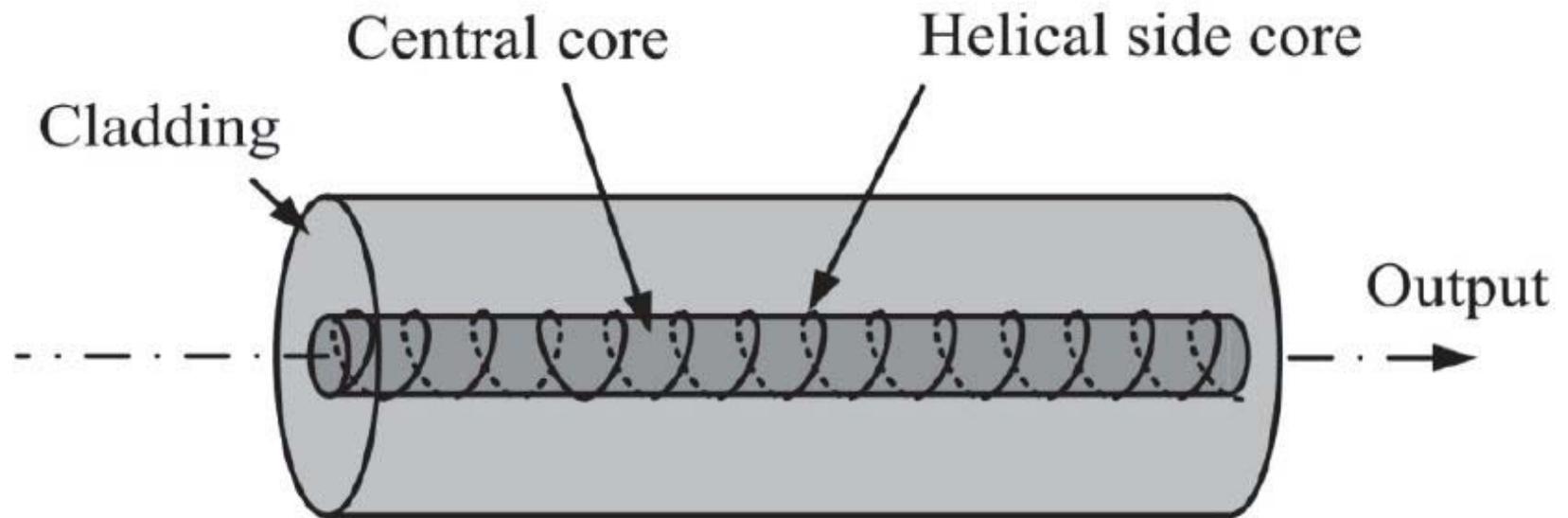


Figure 5-8 *Structure of chirally clad core*

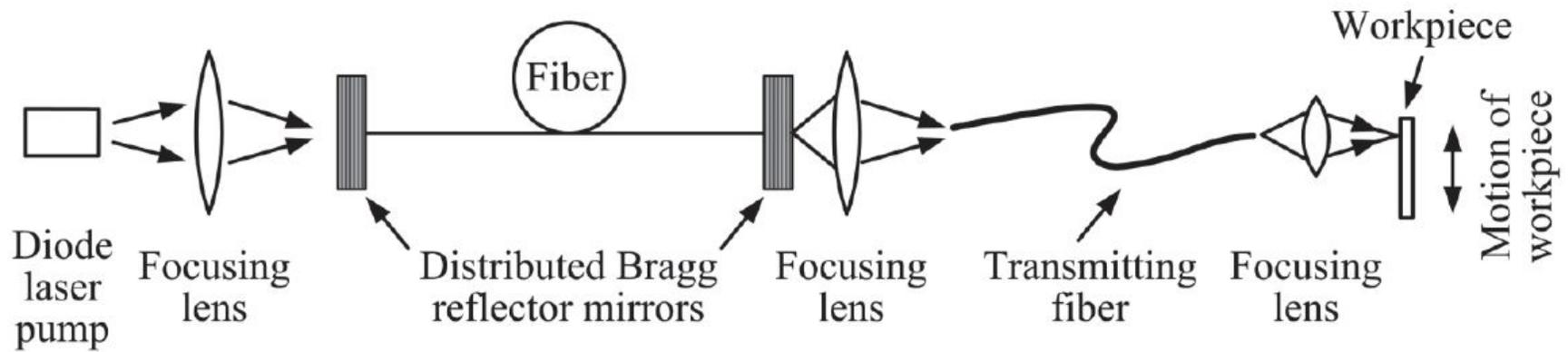


Figure 5-9 *Typical arrangement for welding with a fiber laser*

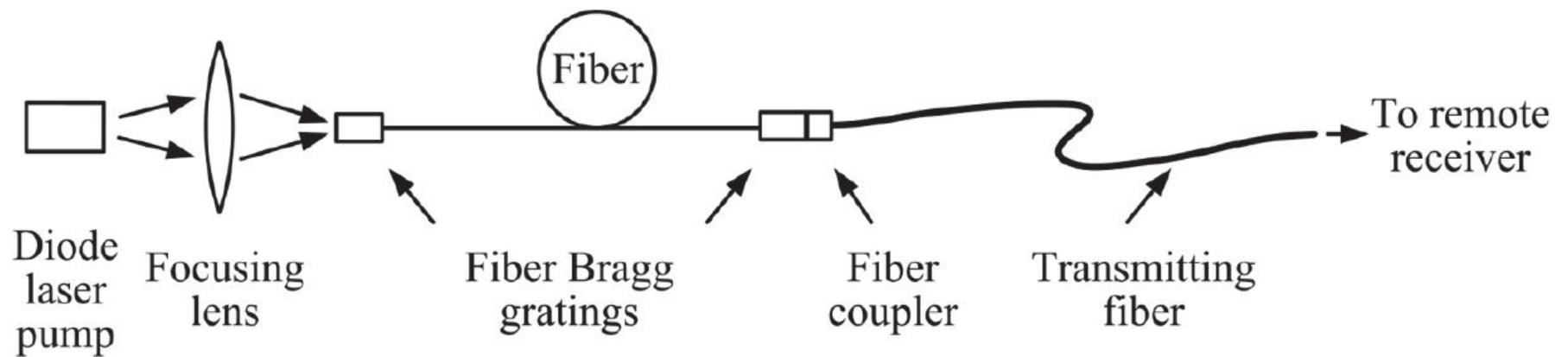


Figure 5-10 *Conceptual design for a fiber laser communications source*