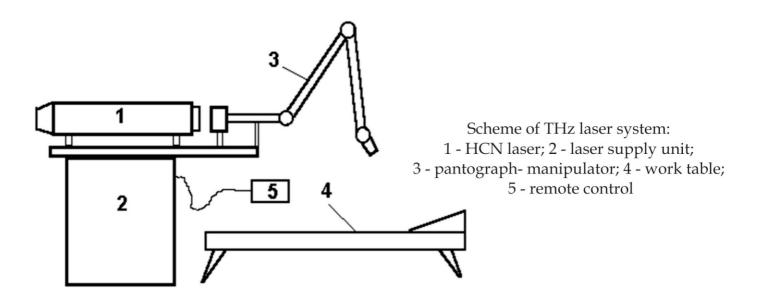
THZ LASER SYSTEM FOR BIOMEDICAL RESEARCHES



Areas of Application

THz laser system for biomedical researches is based on HCN laser (operating wavelength is 0.337 mm). The system is mainly used for medical purposes, because THz radiation promotes the metabolic processes in a human organism, i.e. reduces the period of treating the joints and bones diseases. The laser facility can be employed to mobilize the immune system and regulatory functions of a human organism for prevention and curing the musculoskeletal system affections and fulfilling other therapeutic purposes.

Advantages

Patented and tested own method of treating tumors used. There is a possibility of further expansion through the use of wide-band devices of own production.

Specification

THz radiation is monochromatic and continuous; power flux density is in the range of 0.4÷1.6 mW/cm2; possibility of bringing the radiation to any point of irradiated zone using beamguide pantograph – manipulator.

Stage of Development

IRL7, TRL8.

The manufacturing, delivering, warranty and training services are included.

IPR Protection

IPR1, IPR3

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