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Technical University of Moldova,
Department of Telecommunication and Electronic Systems

Adjustable optical attenuator for testing optical communication systems and networks

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Scope:

The invention relates to the field of optoelectronics and can be used to adjust the power level of the optical signal when adjusting and measuring the parameters of different medical and industrial optoelectronic devices, as well as in optical communication networks.

Brevet nr: MD 2110 G2 din 28.02.2003

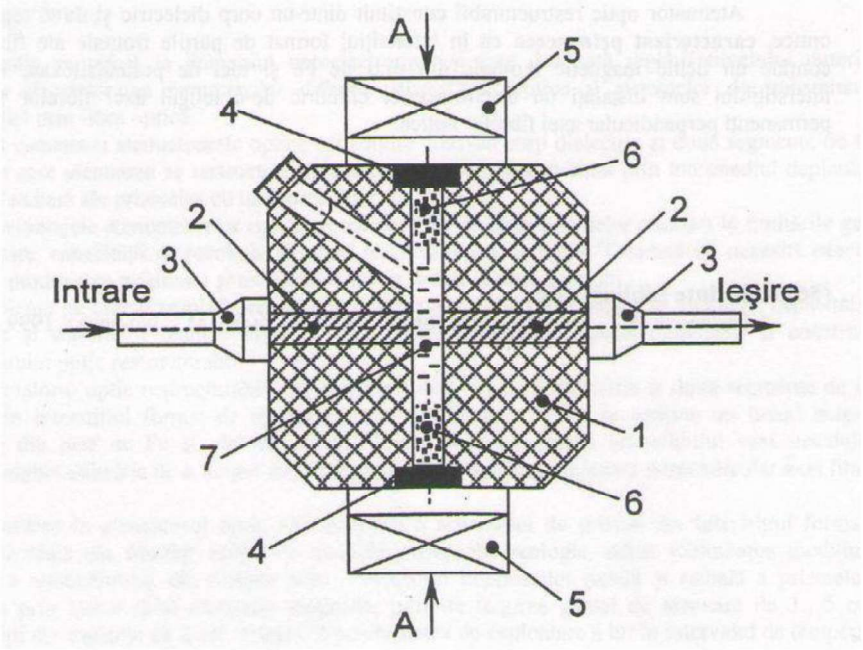
Solution:

For the optical attenuator adjustable based on the magnetic-rheological fluid, the attenuation is guided using the external magnetic field and the attenuation method is based on the use of plasma oscillations of the free electrons in iron, in the spectral range 0.4 ... 6.0 μm. The adjustable optical attenuator based on the magnetic-rheological fluid

Brevet nr: MD 2464 G2 din 31.05.2004

Stage:

3D computerized model;
Functional prototype.



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