

The proposed diffraction medical spectacles contain a frame and at least one lens. The lens contains a fractal-matrix optical filter consisting of several modules. Each filter module is designed according to the geometric element pattern that is the representation of the base geometric element pattern produced by the multilevel fractionating of the base module. The filter is realized in the surface layer of the lens so as to provide the maximal diffraction parameters of the filter according to a specified equation. The proposed spectacles provide effective therapeutic action and the possibility to form optical images by using light diffraction.