

Text of the abstract

Disclosed herein is a semi-light permeable glass structure comprising a glass substrate and a multilayer of alternating dielectric layers having a high refractive index and a low refractive index, wherein the first dielectric layer over the glass substrate has a high refractive index. In a preferred embodiment, said dielectric layers are prepared by using magnetron sputtering. Furthermore, the high refractive index dielectric layer is selected from the group consisting of TiO_2 , SiN_2 , NbO , NbO_2 and Nb_2O_5 , wherein said dielectric layer has a refractive index of between 2.0 and 2.7. In addition, the low refractive index dielectric layer is formed from SiO_2 .