METHOD AND APPARATUS FOR REMOVING RADIATION SIDE LOBES

ABSTRACT

A method and structure for removing side lobes is provided by positioning first and second radiation transparent regions of respective first and second phases at a first plane with the first and second phases being substantially out of phase. Further, positioning the first and the second region to cause radiation at a second plane to be neutralized in a first region, not to be neutralized in a second region, and to have a side lobe in a third region. Further, positioning a non-transparent region at the first plane to assure radiation at the second plane to be neutralized in the first region and positioning a third radiation transparent region of the first or second phase at the first plane to neutralize the side lobes in the third region at the second plane.

FIG 6