

OMNIDIRECTIONAL SPEAKER

ABSTRACT OF THE DISCLOSURE

An omindirectional speaker comprises a high frequency driver which generates sound over a high frequency range and has a first diameter, and a high frequency waveguide having a second diameter which is larger than the first diameter. A first midrange driver has a third diameter and a second midrange driver has a fourth diameter. Each midrange driver generates sound over a middle frequency range and the first midrange driver faces the second midrange driver. A first midrange waveguide corresponds to the first midrange driver and has a fifth diameter, and a second midrange waveguide corresponds to the second midrange driver and has a sixth diameter. The fifth diameter is larger than the third diameter and the sixth diameter is larger than the fourth diameter, and both of the midrange frequency waveguides are positioned between the first midrange driver and the second midrange driver so as to block a direct path from the first midrange driver to the second midrange driver.

Fig. 1