

DISCHARGE VANES FOR AXIAL FANS
ABSTRACT OF THE DISCLOSURE

The fan housing of an axial fan having a flow resistance such as a coil or grille in a closely spaced relationship is provided on its discharge side with a plurality of circumferentially spaced, radially extending vanes. The vanes act as a radial diffuser in coacting with the rotational/irregular flow in the fan orifice to radially direct the flow and distribute it over the face of the flow resistance.

Figure 1