

FLOW STABILIZER FOR TRANSVERSE FAN
ABSTRACT OF THE DISCLOSURE

A flow stabilizer is provided for reducing low frequency flow oscillations within and the resultant noise from the impeller of a transverse fan. Such oscillations and noise
5 can arise in installations where the fan is located downstream of the heat exchanger in an air conditioning unit. The stabilizer is a vane located between the downstream face of the heat exchanger and the suction side of the impeller. The vane is positioned and oriented so as to reduce localized counter swirling flow that otherwise would cause oscillating blade stall within the impeller and associated noise.

Figure 6