

TITLE OF INVENTION: ACOUSTIC SHIELD FOR A WINDOW

ABSTRACT

An acoustic shield (1,30,40) for a window, including:

one or more acoustic cavity modules (5,33,52) locatable over at least a portion of the opening of the window, the or each module providing at least one resonance opening (8) for reducing an overall sound pressure level of sound waves passing through the resonance opening while allowing an air flow to also pass therethrough, the acoustic cavity module including a plurality of plates (7,35,54,60,62,64) aligned in a generally parallel and adjacent configuration such that a resonance cavity is defined between each pair of plates, each plate having at least one aperture (9,37,39, 55), the aperture(s) of each plate together providing the resonance opening(s) (8) of the module;

wherein the or each acoustic cavity module is designed to trap noise frequencies of between 800 to 1600Hz.

[Figure. 1]