

ABSTRACT

A sound absorbing structure is provided that is capable of widening the sound absorption frequency band, and having high sound absorption efficiency.

5 A sound absorbing structure 1 is provided with: a housing 2 having, on one surface thereof, a surface plate 2a formed of a porous plate; and a plurality of porous plate units 3 each formed of a porous plate and disposed inside the housing 2. The plurality of porous plate unit 3 is disposed so as to be
10 aligned in a direction of the surface of the surface plate 2a. The porous plate units 3 are provided with: two flat portions 3a and 4a disposed so as to face the surface plate 2a; and side portions 3b and 4b coupled to the flat portions 3a and 4a, respectively, and extending in a direction intersecting the
15 surface plate 2a. The internal space of the housing 2 is divided into a plurality of spaces aligned in a depth direction orthogonal to the surface plate 2a by the flat portions 3a and 4a, and is divided into a plurality of spaces aligned in the direction of the surface of the surface plate 2a by the side
20 portions 3b and 4b.