

Title (en)
SOUND DAMPING IN VENTILATION CONDUITS

Publication
EP 0044304 B1 19840307 (EN)

Application
EP 80901859 A 19801001

Priority
SE 7908293 A 19791005

Abstract (en)
[origin: WO8101026A1] The idea relates to arrangement and method in sound damping of ventilation conduits in framework elements. In order to achieve a better sound damping of sound from fans, which occurs in ventilating systems it has been shown that a good damping can be achieved if the ventilating air is circulated in two or more conduits before being let out in the room. For that purpose, a transverse connection is established between two separate parallel conduits so that these conduits are connected in series for the ventilating air, which hereby is passed in zigzag through the conduits in the framework elements. The arrangement, thus, is so formed, that the framework acts as sound damping means for noise from fans and sound, which is transmitted from one room to another via the ventilating piping. The parallel conduits (3, 4, 5, 6) in the framework are closed in their ends by means of concrete plugs, which normally are casted on the building place after the erection of the framework elements and which conduits have at least one connection (8) which is placed transversely between two conduits (3, 4) and which is placed at the end of the framework elements, which is opposite to the inlet end of the conduits for the ventilating air. Hereby two or more conduits may be connected in series by means of the transverse connection.

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