

Title (en)  
SOUND-ABSORBING ARRANGEMENT

Title (de)  
SCHALLSCHLUCKENDE ANORDNUNG

Title (fr)  
DISPOSITIF D'INSONORISATION

Publication  
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Application  
**EP 08834479 A 20080918**

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Abstract (en)  
[origin: WO2009041892A1] The present invention relates to a sound-damping arrangement. The sound-damping arrangement comprises a sound-damping container (3) with an internal space (3a), an inlet line (2) adapted to leading a fluid to the container (3) from a machine (1) which generates during operation a dominant noise with a frequency which is related to the speed of the machine, and an outlet line (4) adapted to leading the fluid out from the container (3). The arrangement comprises also a line element (5) which has an internal passage which connects the inlet line (2) and the outlet line (4) at a position in the vicinity of the sound-damping container (3), and an adjusting device (5a-d, 6- 9) adapted to adjusting the configuration of the passage and hence the acoustic characteristics of the sound-damping container so that the latter continuously assumes a natural frequency corresponding to the dominant sound frequency generated by the machine at its current speed.

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