

Title (en)
Helmholtz resonance silencer

Title (de)
Helmholtz-Resonanzdämpfer

Title (fr)
Silencieux à résonance de Helmholtz

Publication
EP 2772905 B1 20160127 (EN)

Application
EP 14153385 A 20140131

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Abstract (en)
[origin: EP2772905A1] The present invention provides a Helmholtz resonance silencer capable of further improving its silencing effect without deviation of its resonant frequency from the frequency of sound to be silenced. The present invention is a Helmholtz resonance silencer including: a body having a cavity part (SC) therein; and a communication hole (18a) for communication between the cavity part (SC) and an outside of the body. The communication hole (18a) has a cross-sectional profile other than a precise circle so as to increase viscous resistance generated between the vibrating air in the communication hole (18a) and the surface defining the communication hole (18a).

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G10K 11/172 (2006.01)

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Cited by
CN114495886A; CN113763914A; CN106098051A

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