

Title (en)
LOW-FREQUENCY SILENCER

Publication
EP 0316640 B1 19930210 (DE)

Application
EP 88117971 A 19881028

Priority
CH 449487 A 19871118

Abstract (en)
[origin: EP0316640A1] In order to silence low-frequency sound waves, which can arise in components of turbo-engines, the silencer proposed here consists of an inlet tube (1) through (3) and around (4) which a medium flows. At the end of the inlet tube (1) in the outlet flow direction this tube has a row of silencing holes (2), distributed around the circumference, through which the medium (4) flowing around the inlet tube (1) flows into the interior of the inlet tube (1). The effective length L of the inlet tube (1), the cross-sectional area A of the inlet tube (1), and the overall cross-sectional area B of the silencing holes (2) form the geometrical parameters for calculating optimum silencing of the low-frequency sound waves. <IMAGE>

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F01N 1/00; F01N 1/06; F01N 1/08

IPC 8 full level
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CPC (source: EP US)
F01N 1/00 (2013.01 - EP US)

Cited by
DE102014226266A1; DE10336738B4; EP3034666A1

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