

Title (en)
SILENCER FOR A GAS FLOW.

Title (de)
SCHALLDÄMPFER FÜR STRÖMENDE GASE.

Title (fr)
SILENCIEUX POUR L'ÉCOULEMENT D'UN FLUIDE GAZEUX.

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Application
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Priority
FR 8803183 A 19880311

Abstract (en)
[origin: WO8908771A1] The silencer comprises a tubular envelope (7) supported by an end-piece (10) for fixture to a gas supply source in which the pressure is to be reduced. A perforated plate (8) and a disc (9) close off the ends of the envelope which is drilled with escape apertures (13, 13', 13"...) in the region of the disc (9). According to the invention, the gas flows at sonic speed through the plate (8) to enter the envelope (7) which is completely filled with a packing (14) consisting of a tightly-wound roll of wire mesh. Said packing absorbs the shock waves developed by the supersonic flow of the gas in the packing. The latter maintains a subsonic flow with a low noise level upstream of the silencer. Application to the treatment of a surface by blasting of a gas flow.

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Cited by
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