

Title (en)
Reactor chamber for catalytic cleaning of combustion exhausts

Title (de)
Reaktionskammer für die katalytische Reinigung von Verbrennungsgasen

Title (fr)
Chambre de réaction pour le nettoyage catalytique d'échappements de combustion

Publication
EP 0779415 B1 20010523 (EN)

Application
EP 96850186 A 19961106

Priority
SE 9504439 A 19951211

Abstract (en)
[origin: EP0779415A1] An apparatus for damping noise at an exhaust conduit belonging to a Diesel engine (10), which conduit (11) comprises a system (12) for injection of a reagent into the combustion exhausts of the engine. The conduit also comprises at least one reactor chamber (15) for catalytic cleaning of said exhausts, and at least one reactive silencer (18-20; 21, 22) in communication with said exhaust conduit, the length of said silencer being acoustically adapted to the wave length of the sound waves which are going to be damped within a specific frequency range. The silencer (18-20; 21, 22) comprises at least one resonance chamber (19; 21) which is arranged concentric to a straight segment (17) of the exhaust conduit (11) and which is connected to said channel via at least one opening (18; 22). <IMAGE>

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IPC 8 full level
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