

Title (en)
Exhaust gas noise muffler.

Title (de)
Abgas-Schalldämpfer.

Title (fr)
Silencieux pour gaz d'échappement.

Publication
EP 0353761 B1 19931103 (DE)

Application
EP 89114390 A 19890803

Priority
DE 3826707 A 19880805

Abstract (en)
[origin: JPH02191809A] PURPOSE: To reduce manufacture cost by pre-manufacturing covering materials corresponding to the actual condition inside an exhaust silencer, assembling the shaped covering materials with the assembly together into an opened exhaust silencer under compression at the assembling spot of the silencer. CONSTITUTION: Mineral wool layers which are impregnated with a suitable resin, for example, pretreated with synthetic resins, are pre-manufactured as covering materials 3a to 3d having the shaped of a punch plate. These covering materials are supplied to the silencer assembly spot instead of traditional shape stabilized materials and these layers are assembled into the silencer body. In this case, while closing the semi-casing 1a, 1b of the silencer divided in the boundary, the jointed semi-bodies form pipe joints 4, 5 in both sides, they fix the assembly 2 at desired position inside the casing 1. While upper and lower semi-bodies 1a, 1b are pressed against each other, the mineral wool filler materials 3 are pressed to form a desired shape, the covering materials 3a to 3d are contact each other at plane side edges 19, so two sides of the pipe 7 are filled with a plenty of mineral wool at high density.

IPC 1-7
F01N 7/18; **F01N 1/24**

IPC 8 full level
F01N 1/24 (2006.01); **F01N 13/18** (2010.01)

CPC (source: EP KR US)
F01N 1/10 (2013.01 - KR); **F01N 1/24** (2013.01 - EP US); **F01N 13/1838** (2013.01 - EP US); **F01N 13/185** (2013.01 - EP US); **F01N 13/1861** (2013.01 - EP US); **F01N 13/1872** (2013.01 - EP US); **F01N 13/1888** (2013.01 - EP US); **F01N 2310/02** (2013.01 - EP US); **F01N 2310/04** (2013.01 - EP US); **F01N 2450/20** (2013.01 - EP US); **F01N 2450/22** (2013.01 - EP US); **F01N 2470/02** (2013.01 - EP US); **F01N 2470/06** (2013.01 - EP US); **F01N 2470/10** (2013.01 - EP US); **F01N 2470/18** (2013.01 - EP US); **Y10T 29/49398** (2015.01 - EP US); **Y10T 29/49893** (2015.01 - EP US)

Cited by
EP0628705A1; EP0666408A1; EP0816649A1; US5912441A; EP0736674A1; US5332873A; WO9208881A1; WO2007117701A3

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