

Title (en)
Engine muffler

Title (de)
Schalldämpfer eines Motors

Title (fr)
Système d'échappement d'un moteur

Publication
EP 1308608 A1 20030507 (EN)

Application
EP 01126233 A 20011105

Priority
EP 01126233 A 20011105

Abstract (en)
In the engine muffler including a first expansion chamber (12) of the exhaust gas having an exhaust gas inlet aperture (11) connecting to an exhaust gas outlet of the engine, a second expansion chamber (14) having an exhaust gas outlet aperture (13), at least one first exhaust gas purifier (15) coated with a catalyst to purify the exhaust gas purifier provided with a plurality of small holes, a wall side of said second expansion chamber (14) to which the engine is not installed is formed to a double-wall construction of walls (14a) and (14b) with a predetermined distance, further, the double-wall is packed with a heat insulating material to improve the purification efficiency, heat insulation and sound elimination. Heated muffler wall is decreased. It is also possible by applying a detachable construction to take out the first exhaust gas purifier outside the wall for replacement or cleaning.

IPC 1-7
F01N 7/00; **F01N 3/28**; **F01N 7/18**

IPC 8 full level
F01N 1/08 (2006.01); **F01N 3/28** (2006.01); **F01N 13/14** (2010.01); **F01N 13/18** (2010.01)

CPC (source: EP)
F01N 1/084 (2013.01); **F01N 1/089** (2013.01); **F01N 3/2885** (2013.01); **F01N 13/14** (2013.01); **F01N 13/185** (2013.01); **F01N 2450/20** (2013.01); **F01N 2450/24** (2013.01); **F01N 2470/18** (2013.01)

Citation (search report)
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• [Y] WO 9917007 A1 19990408 - ELECTROLUX AB [SE], et al
• [X] US 5857327 A 19990112 - SATO SHIGERU [JP], et al
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DE FR IT

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