

Title (en)  
MODULAR MUFFLER WITH REMOVABLE CARTRIDGE ASSEMBLY

Title (de)  
MODULARER SCHALLDÄMPFER MIT ENTFERNBARER PATRONENANORDNUNG

Title (fr)  
SILENCIEUX MODULAIRE AVEC ENSEMBLE CARTOUCHE AMOVIBLE

Publication  
**EP 1680582 A4 20061220 (EN)**

Application  
**EP 04761865 A 20040929**

Priority

- CA 2004001713 W 20040929
- CA 2443427 A 20030930
- US 72941303 A 20031205

Abstract (en)  
[origin: WO2005031131A2] A muffler assembly has a housing and an internal and replaceable core assembly. The core assembly may contain emission reduction elements to reduce the emissions from the engine and/or sound reducing elements. The core assembly is replaced within the housing when the emission reduction elements become ineffective or when the user desired to otherwise replace the internal core assembly without replacing the muffler housing or assembly components. The core assembly may take the form of a sealed cartridge to isolate exhaust treatment apparatuses from the ambient environment.

IPC 8 full level  
**F01N 1/08** (2006.01); **F01N 1/12** (2006.01); **F01N 7/18** (2006.01); **F01N 13/18** (2010.01); **F01N 1/00** (2006.01)

CPC (source: EP)  
**F01N 1/006** (2013.01); **F01N 1/084** (2013.01); **F01N 1/12** (2013.01); **F01N 13/18** (2013.01); **F01N 13/1855** (2013.01); **F01N 2450/30** (2013.01)

Citation (search report)

- [X] US 3563338 A 19710216 - RADER RICHARD L
- [X] US 5969299 A 19991019 - YAMAGUCHI HIDEKI [JP], et al
- [X] GB 751619 A 19560704 - SACKVILLE LTD, et al
- See references of WO 2005031131A2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2005031131 A2 20050407**; **WO 2005031131 A3 20050609**; EP 1680582 A2 20060719; EP 1680582 A4 20061220

DOCDB simple family (application)  
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