

Title (en)

Muffler with stamped internal plates defining tubes and separating chambers

Title (de)

Schalldämpfer mit durch Stanzen hergestellten Innenplatten, die die Röhre begrenzen und Kammern trennen

Title (fr)

Silencieux avec plaques internes fabriquées par estampage délimitant des tubes en séparant des chambres

Publication

**EP 0856647 B1 20030514 (EN)**

Application

**EP 97112065 A 19970715**

Priority

- US 3687897 P 19970204
- US 87386197 A 19970612

Abstract (en)

[origin: EP0856647A1] An exhaust muffler (10) includes upper (12) and lower (14) internal plates and upper (20) and lower (22) external shells. The internal plates are formed to define a chamber (80) therebetween. The external shells are formed to define chambers (68,92) on opposite respective sides of the interconnected internal plates. An upper tube plate (16) is secured to the upper internal plate (12). The upper tube plate and the upper internal plate are formed to define an inlet tube (50) therebetween. The inlet tube includes louvers (52) to permit exhaust gas flow into the chamber (68) between the upper internal plate and the upper external shell. Louvers in the upper internal plate permit exhaust gas to flow from the upper chamber (68) into the internal chamber (80) between the internal plates. Louvers in the lower internal plate permit exhaust gas to flow into the lower chamber. An outlet tube communicates with the gravitational low point in the lower external shell and permits flow of exhaust gas from the muffler while siphoning condensate in the lower chamber. <IMAGE>

IPC 1-7

**F01N 7/18**; **F01N 1/02**

IPC 8 full level

**F01N 1/08** (2006.01); **F01N 1/02** (2006.01); **F01N 13/18** (2010.01)

CPC (source: EP KR)

**F01N 1/02** (2013.01 - EP KR); **F01N 3/005** (2013.01 - KR); **F01N 13/1861** (2013.01 - KR); **F01N 13/1872** (2013.01 - EP); **F01N 13/1877** (2013.01 - EP); **F01N 13/1872** (2013.01 - KR); **F01N 13/1877** (2013.01 - KR); **F01N 2260/06** (2013.01 - KR); **F01N 2260/18** (2013.01 - EP KR); **F01N 2490/155** (2013.01 - EP KR); **F01N 2570/22** (2013.01 - KR)

Cited by

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