

Title (en)

EXHAUST GAS PURIFYING DEVICE FOR INTERNAL COMBUSTION ENGINE, AND SWIRL GENERATING DEVICE

Title (de)

ABGASREINIGUNGSVORRICHTUNG FÜR EINEN VERBRENNUNGSMOTOR SOWIE WIRBELERZEUGUNGSVORRICHTUNG

Title (fr)

DISPOSITIF D'ÉPURATION DES GAZ D'ÉCHAPPEMENT POUR MOTEUR À COMBUSTION INTERNE, ET DISPOSITIF GÉNÉRANT UN TOURBILLON

Publication

EP 2325451 A4 20130220 (EN)

Application

EP 09814449 A 20090831

Priority

- JP 2009065168 W 20090831
- JP 2008241382 A 20080919

Abstract (en)

[origin: EP2325451A1] An exhaust gas purifying device for an internal combustion engine, provided with a swirl generating means for generating a swirl which has a strong swirl force and applying reduced resistance to the swirl. A swirl generating device for generating a swirl which has a strong swirl force and applying reduced resistance to the swirl is also provided. An exhaust gas purifying device (100) for an internal combustion engine is provided with an exhaust pipe (1), a reduction catalyst (2), a reducing agent supply means (3), and a swirl generating means (40). The swirl generating means (40) has two blades (410, 420) formed by dividing a substantially elliptic plate into two in the direction of the major axis thereof. The two blades (410, 420) are integrated together such that the two blades are rotated relative to each other about the minor axis of the plate so as to cross each other, and the two blades are mounted such that the direction of the major axis is parallel to the direction of flow of exhaust gas.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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