

Title (en)

Exhaust system of an internal combustion engine

Title (de)

Abgassystem eines Verbrennungsmotors

Title (fr)

Système d'échappement d'un moteur à combustion interne

Publication

EP 2098697 B2 20150520 (EN)

Application

EP 08425083 A 20080212

Priority

EP 08425083 A 20080212

Abstract (en)

[origin: EP2098697A1] Exhaust system (1) of an internal combustion engine (2); the exhaust system (1) is provided with: an exhaust duct (3) which originates from an exhaust manifold (4) of the internal combustion engine (2); at least one catalytic system (7; 5) arranged on the exhaust duct (3); a feeder device (8) which is connected to the exhaust duct (3) immediately upstream of the catalytic system (7; 5) to feed an additive into said exhaust duct (3); and at least one static mixer (9), which is arranged on the exhaust duct (3) in correspondence with the feeder device (8) and comprises a tubular body (10) which has a central axis of symmetry (11) and has two opposing annular edges (12); the static mixer (9) has at least one group (13) of tabs (14), which extend towards the outside of the tubular body (10) starting from a respective annular edge (12) of said tubular body (10), are arranged at a distance from one another so as to leave an empty space (15) between two successive tabs (14), and slope towards the central axis of symmetry (11) so as to converge towards said central axis of symmetry (11).

IPC 8 full level

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CPC (source: EP US)

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Cited by

EP2910301A1; JP2014163232A; JP2013511653A; GB2491777A; FR2956155A1; EP3015672A1; ITBO20110533A1; EP2921220A1; JP2021071054A; US9403133B2; US8359832B2; US9765679B2; WO2014099567A1; WO2011126930A3; WO2011095734A1; WO2012095623A1; US9464552B2; JP2015178831A

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