

Title (en)
EXHAUST PURIFICATION DEVICE

Title (de)
ABGASREINIGUNGSVORRICHTUNG

Title (fr)
DISPOSITIF D'ÉPURATION DE GAZ D'ÉCHAPPEMENT

Publication
EP 2960457 A4 20161019 (EN)

Application
EP 13876040 A 20131024

Priority
• JP 2013030999 A 20130220
• JP 2013078844 W 20131024

Abstract (en)
[origin: EP2960457A1] An exhaust purification device having high exhaust purification performance can be implemented with a simple structure. In an exhaust purification device in which catalyst is carried in a plurality of honeycomb bodies that are arranged in series so as to be spaced from one another through gaps, a single outer tube 55 constituting a part of an exhaust passage of an exhaust device 40 of an internal combustion engine is provided, a first honeycomb body 81, a second honeycomb body 82 and a third honeycomb body 83 are accommodated in this order from an upstream side of exhaust in the outer tube 55, the catalyst is carried in passages of the first honeycomb body 81, the second honeycomb body 82 and the third honeycomb body 83, the second honeycomb body 82 is shared as the same part as the third honeycomb body 83, the first honeycomb body 81 has the same outer diameter as the second honeycomb body 82 and the third honeycomb body 83, and the number of cells per unit area of cells compartmented in a grid form in the first honeycomb body 81 is smaller than the number of cells in the third honeycomb body 83.

IPC 8 full level
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CPC (source: EP)
F01N 3/28 (2013.01); **F01N 13/0097** (2014.06); **F01N 2330/48** (2013.01); **F01N 2450/22** (2013.01); **F01N 2590/04** (2013.01)

Citation (search report)
• [XAY] JP 2003340244 A 20031202 - NISSAN MOTOR
• [XAY] DE 4241469 A1 19940616 - EMITEC EMISSIONSTECHNOLOGIE [DE]
• See references of WO 2014129014A1

Cited by
EP4230848A1; WO2020136676A1

Designated contracting state (EPC)
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