

Title (en)
Exhaust gas fluidics apparatus

Title (de)
Abgas-Fluidik-Gerät

Title (fr)
Appareil fluidique de gaz d'échappement

Publication
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Application
EP 97103206 A 19970227

Priority
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Abstract (en)
The invention is directed at an exhaust system exhibiting an increased flow uniformity under diversion conditions comprising: (1) a honeycomb structure having an inlet and outlet end disposed in a housing (2) located in an exhaust gas stream and downstream from an engine, and having a first substantially unobstructed flow region (22), and a second more obstructed flow region (23) adjacent the first region, both providing a flow path for the exhaust gases in the exhaust gas stream; and, (2) a fluidics apparatus (24) disposed in the exhaust stream comprising a diverter body (25) located proximate to the first region, a diversion fluid source, a conduit (26) for directing the diversion fluid toward the diverter body (25) and an exhaust flow divergent device (27). <IMAGE>

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• [A] EP 0661098 A2 19950705 - NGK INSULATORS LTD [JP]
• [AD] EP 0697505 A1 19960221 - CORNING INC [US]
• [A] WO 9518292 A1 19950706 - VOLVO AB [SE], et al
• [A] DE 3913343 A1 19901025 - KUGELFISCHER G SCHAEFER & CO [DE]
• [A] DE 3803917 A1 19890817 - INTERATOM [DE]

Cited by
EP1857172A1; EP2130603A3; US8061890B2

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