

Title (en)
Exhaust silencer for internal combustion engine

Title (de)
Abgasschalldämpfer für Brennkraftmaschine

Title (fr)
Silencieux d'échappement pour moteur à combustion interne

Publication
EP 1607594 A1 20051221 (EN)

Application
EP 05105236 A 20050615

Priority
SE 0401554 A 20040617

Abstract (en)
The invention relates to a sound-absorbing exhaust system for an internal combustion engine. The system comprises a receptacle (2), an inlet (3) which is arranged in the receptacle (2) and through which exhaust gases can be directed into the same, and a discharge pipe (4), which connects the interior of the receptacle (2) to the ambient air and through which exhaust gases can be discharged from the same. The discharge pipe (4) has, at its end positioned outside the receptacle (2), a seal (5), which substantially seals the discharge pipe (4) at this end. The discharge pipe (4) has at least one, but preferably a plurality of radial holes (6), which are positioned outside the receptacle (2). The system further has a sleeve (7), which wholly or partially surrounds the discharge pipe (4) outside the receptacle (2). This arrangement reduces the emission of exhaust gas noise from the system. <IMAGE>

IPC 1-7
F01N 1/08

IPC 8 full level
F01N 1/08 (2006.01)

IPC 8 main group level
F01N (2006.01)

CPC (source: EP SE US)
F01N 1/083 (2013.01 - EP SE US); **F01N 1/084** (2013.01 - SE); **F01N 1/085** (2013.01 - EP US); **F01N 1/087** (2013.01 - EP US);
F01N 1/089 (2013.01 - EP US)

Citation (search report)

- [X] GB 1206105 A 19700923 - HENDRY BROTHERS LONDON LTD [GB], et al
- [A] US 4627515 A 19861209 - D ALESSANDRO LUIGI [CH]
- [A] US 6241044 B1 20010605 - NISHIYAMA TOSHIHIKO [JP], et al
- [A] US 6540046 B1 20030401 - SCHUHMACHER KORY J [US], et al
- [A] JP S56138412 A 19811029 - NIHON RADIATOR CO

Cited by
EP1908930A3; CN103573365A; EP1830044A1; EP2354483A3; WO2011061213A1; US10344670B2; US10690050B2; EP3489492A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1607594 A1 20051221; SE 0401554 D0 20040617; SE 0401554 L 20051218; SE 528092 C2 20060905; US 2005279572 A1 20051222

DOCDB simple family (application)
EP 05105236 A 20050615; SE 0401554 A 20040617; US 15219805 A 20050615