

Title (en)
APPARATUS FOR MIXING A LIQUID MEDIUM INTO A GASEOUS MEDIUM

Title (de)
VORRICHTUNG ZUM MISCHEN EINES FLÜSSIGEN MEDIUMS IN EIN GASFÖRMIGES MEDIUM

Title (fr)
APPAREIL DE MELANGE D'UN LIQUIDE DANS UN MILIEU GAZEUX

Publication
EP 1859130 A1 20071128 (EN)

Application
EP 05722191 A 20050308

Priority
SE 2005000341 W 20050308

Abstract (en)
[origin: WO2006096098A1] The invention relates to an apparatus for mixing liquid medium into a gaseous medium flowing through an exhaust pipe (10) from an internal combustion engine. The liquid medium is supplied to the exhaust pipe with varied mass flow via an injector nozzle (11) directed into the exhaust pipe. The exhaust pipe (10) has a mixer (16) placed downstream of the injector nozzle and a flow path (18) disposed parallel with the mixer and extending through a perforated surface (19).

IPC 8 full level
F01N 3/20 (2006.01); **F01N 13/08** (2010.01)

CPC (source: EP US)
B01F 23/2132 (2022.01 - EP US); **B01F 25/3141** (2022.01 - EP US); **B01F 25/421** (2022.01 - EP US); **B01F 25/4231** (2022.01 - EP US); **B01F 25/45** (2022.01 - EP US); **B01F 25/4521** (2022.01 - EP US); **F01N 3/2066** (2013.01 - EP US); **F01N 3/2892** (2013.01 - EP US); **F01N 2240/20** (2013.01 - EP US); **F01N 2610/02** (2013.01 - EP US); **F01N 2610/03** (2013.01 - EP US); **Y02T 10/12** (2013.01 - EP US)

Citation (search report)
See references of WO 2006096098A1

Citation (examination)
GB 315549 A 19290718 - ALFRED GEORGE LANGDON

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)
WO 2006096098 A1 20060914; **WO 2006096098 A8 20070927**; BR PI0520098 A2 20090414; CN 101124390 A 20080213; EP 1859130 A1 20071128; JP 2008533358 A 20080821; US 2008163616 A1 20080710

DOCDB simple family (application)
SE 2005000341 W 20050308; BR PI0520098 A 20050308; CN 200580048290 A 20050308; EP 05722191 A 20050308; JP 2008500662 A 20050308; US 81359705 A 20050308