

Title (en)

EXHAUST GAS AFTER TREATMENT SYSTEM FOR A DIESEL CYCLE INTERNAL COMBUSTION ENGINE

Title (de)

ABGASNACHBEHANDLUNGSSYSTEM FÜR EINE DIESEL BRENNKRAFTMASCHINE

Title (fr)

SYSTÈME DE POST-TRAITEMENT DES GAZ D'ÉCHAPPEMENT PUR UN MOTEUR A COMBUSTION INTERNE A CYCLE DIESEL

Publication

EP 3772573 B1 20220330 (EN)

Application

EP 20189886 A 20200806

Priority

IT 201900014304 A 20190807

Abstract (en)

[origin: EP3772573A1] An exhaust gas after treatment system (ATS) for a diesel cycle internal combustion engine (E) has a first and a second particulate filter (F1,F2) arranged in series along an exhaust line (EP), which channels exhaust gas from the engine (E) to an external environment; the first particulate filter (F1) is a soot filter, and the second particulate filter (F2) is an ash filter, which is arranged downstream of the soot filter, considering the exhaust gas direction in the exhaust line (EP), and is suitable to be serviced to allow for removal of collected ash.

IPC 8 full level

F01N 3/023 (2006.01); **F01N 3/022** (2006.01); **F01N 3/035** (2006.01); **F01N 13/00** (2010.01)

CPC (source: EP)

F01N 3/0222 (2013.01); **F01N 3/0231** (2013.01); **F01N 3/0232** (2013.01); **F01N 3/0237** (2013.01); **F01N 3/035** (2013.01); **F01N 13/0093** (2014.06); **F01N 3/103** (2013.01); **F01N 3/2066** (2013.01); **F01N 2330/06** (2013.01); **F01N 2330/48** (2013.01); **F01N 2450/30** (2013.01)

Citation (examination)

EP 2087215 B1 20120808 - CORNING INC [US]

Cited by

WO2022216658A1

Designated contracting state (EPC)

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