

Title (en)

AFTERTREATMENT BURNER AIR SUPPLY SYSTEM

Title (de)

NACHBEHANDLUNGSBRENNER-LUFTZUFUHRSYSTEM

Title (fr)

SYSTÈME D'ALIMENTATION EN AIR DE BRÛLEUR DE POST-TRAITEMENT

Publication

**EP 2598729 A4 20150708 (EN)**

Application

**EP 11812882 A 20110429**

Priority

- US 36766710 P 20100726
- US 2011034605 W 20110429

Abstract (en)

[origin: WO2012015505A1] A system and method for efficient regeneration of a diesel particulate filter used in the exhaust system of a diesel engine, is disclosed. In various systems, a burner is incorporated into the exhaust stream, and prior to the diesel particulate filter. Because the burner requires precise amounts of fuel and air to operate properly, an air flow delivery device, such as a positive displacement pump or blower is incorporated into the system to channel boost air to the burner. Alternatively, a bypass line may be used in conjunction with a pressure regulator, wherein the bypass line diverts the boost air from the pump or blower, while the pressure regulator controls the final pressure to the burner.

IPC 8 full level

**F01N 3/023** (2006.01); **F01N 3/025** (2006.01); **F01N 3/32** (2006.01); **F02B 37/16** (2006.01)

CPC (source: EP US)

**F01N 3/025** (2013.01 - EP US); **F02B 37/164** (2013.01 - EP US); **F01N 3/32** (2013.01 - EP US); **F01N 2240/14** (2013.01 - EP US); **F02B 3/06** (2013.01 - EP US); **F02M 26/05** (2016.02 - EP US); **F02M 26/23** (2016.02 - EP US); **F02M 35/10229** (2013.01 - EP US); **Y02T 10/12** (2013.01 - EP US)

Citation (search report)

- [X] US 5081836 A 19920121 - SMITH AARON L [US], et al
- [X] US 4589254 A 19860520 - KUME SATORU [JP], et al
- [X] DE 102008032604 A1 20100114 - VOLKSWAGEN AG [DE]
- See references of WO 2012015505A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**WO 2012015505 A1 20120202**; CN 103026020 A 20130403; EP 2598729 A1 20130605; EP 2598729 A4 20150708; US 2013227934 A1 20130905

DOCDB simple family (application)

**US 2011034605 W 20110429**; CN 201180036732 A 20110429; EP 11812882 A 20110429; US 201113812570 A 20110429