

Title (en)

METHOD FOR TREATING POLLUTANTS USING A THREE-WAY CATALYST WHEN STARTING UP A COMBUSTION ENGINE

Title (de)

VERFAHREN ZUR BEHANDLUNG VON SCHADSTOFFEN MIT EINEM DREIWEGKATALYSATOR BEIM ANLASSEN EINES VERBRENNUNGSMOTORS

Title (fr)

PROCEDE DE TRAITEMENT DE POLLUANTS PAR CATALYSEUR TROIS VOIES AU DEMARRAGE D'UN MOTEUR A COMBUSTION

Publication

**EP 4028652 A1 20220720 (FR)**

Application

**EP 20765300 A 20200908**

Priority

- FR 1910020 A 20190911
- EP 2020075008 W 20200908

Abstract (en)

[origin: WO2021048084A1] The invention relates to a method involving the treatment of the pollutants emitted by a vehicle having a heat engine, in which catalyst means (3) are heated, characterised in that the amount of oxygen (OS) in the catalyst means (3) is controlled to be over a minimum amount of oxygen (OS1) by injecting air upstream of said catalyst means (3).

IPC 8 full level

**F01N 3/10** (2006.01); **F01N 3/20** (2006.01); **F01N 3/22** (2006.01)

CPC (source: EP KR US)

**F01N 3/101** (2013.01 - EP KR); **F01N 3/103** (2013.01 - EP KR); **F01N 3/106** (2013.01 - EP KR); **F01N 3/20** (2013.01 - US);  
**F01N 3/206** (2013.01 - EP); **F01N 3/203** (2013.01 - EP KR); **F01N 3/22** (2013.01 - EP KR US); **F01N 2240/16** (2013.01 - EP KR);  
**F01N 2900/1402** (2013.01 - EP KR); **F01N 2900/1602** (2013.01 - EP KR); **F01N 2900/1626** (2013.01 - EP KR); **Y02A 50/20** (2017.12 - EP KR);  
**Y02T 10/12** (2013.01 - EP KR)

Citation (search report)

See references of WO 2021048084A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**FR 3100566 A1 20210312; FR 3100566 B1 20220722;** CN 114651115 A 20220621; EP 4028652 A1 20220720; JP 2022547431 A 20221114;  
KR 20220054811 A 20220503; US 11781456 B2 20231010; US 2022397047 A1 20221215; WO 2021048084 A1 20210318

DOCDB simple family (application)

**FR 1910020 A 20190911;** CN 202080057375 A 20200908; EP 2020075008 W 20200908; EP 20765300 A 20200908;  
JP 2022513442 A 20200908; KR 20227008141 A 20200908; US 202017635477 A 20200908