

Title (en)

PASSIVE NITROGEN OXIDE ADSORBER HAVING OXIDATION-CATALYTICALLY ACTIVE FUNCTION

Title (de)

PASSIVER STICKOXID-ADSORBER MIT OXIDATIONSKATALYTISCH AKTIVER FUNKTION

Title (fr)

ADSORBEUR PASSIF D'OXYDE D'AZOTE INTÉGRANT UNE FONCTION DE CATALYSE D'OXYDATION ACTIVE

Publication

EP 3908401 A1 20211117 (DE)

Application

EP 20700865 A 20200108

Priority

- EP 19150643 A 20190108
- EP 2020050240 W 20200108

Abstract (en)

[origin: WO2020144195A1] The present invention relates to the use of a material B containing palladium and platinum in a weight ratio of 2:3 to 10:1 for increasing the low-temperature storage of nitrogen oxides by means of a material A containing palladium and zeolite, wherein material A and material B are present on a carrier substrate of the length L, and wherein material A and material B are different from one another.

IPC 8 full level

B01J 37/02 (2006.01); **B01D 53/94** (2006.01); **B01J 23/44** (2006.01); **B01J 29/70** (2006.01); **F01N 3/08** (2006.01); **F01N 3/20** (2006.01)

CPC (source: EP US)

B01D 53/9422 (2013.01 - EP US); **B01D 53/944** (2013.01 - EP US); **B01D 53/9468** (2013.01 - EP US); **B01D 53/9477** (2013.01 - US); **B01J 21/12** (2013.01 - US); **B01J 23/44** (2013.01 - EP US); **B01J 29/70** (2013.01 - EP); **B01J 29/7007** (2013.01 - US); **B01J 35/19** (2024.01 - US); **B01J 35/56** (2024.01 - US); **B01J 37/0244** (2013.01 - EP US); **B01J 37/0246** (2013.01 - EP); **B01J 37/0248** (2013.01 - EP); **F01N 3/0814** (2013.01 - EP); **F01N 3/0842** (2013.01 - EP); **B01D 53/9477** (2013.01 - EP); **B01D 2255/1021** (2013.01 - EP US); **B01D 2255/1023** (2013.01 - EP US); **B01D 2255/50** (2013.01 - EP US); **B01D 2255/9022** (2013.01 - US); **B01D 2255/91** (2013.01 - EP US); **B01D 2255/9155** (2013.01 - US); **F01N 3/0842** (2013.01 - US); **F01N 3/2066** (2013.01 - EP US); **F01N 3/2803** (2013.01 - US); **F01N 2370/04** (2013.01 - US); **Y02T 10/12** (2013.01 - EP)

Citation (search report)

See references of WO 2020144195A1

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)

WO 2020144195 A1 20200716; CN 113272057 A 20210817; EP 3908401 A1 20211117; US 11772077 B2 20231003; US 2022080394 A1 20220317

DOCDB simple family (application)

EP 2020050240 W 20200108; CN 202080008238 A 20200108; EP 20700865 A 20200108; US 202017420462 A 20200108