

Title (en)

METHOD FOR THE HIGH-TEMPERATURE CATALYTIC DECOMPOSITION OF N<sub>2</sub>O

Title (de)

VERFAHREN ZUR KATALYTISCHEN HOCHTEMPERATURZERSETZUNG VON N<sub>2</sub>O

Title (fr)

PROCEDE DE DECOMPOSITION CATALYTIQUE DU N<sub>2</sub>O A HAUTE TEMPERATURE

Publication

**EP 2616164 A1 20130724 (FR)**

Application

**EP 11746591 A 20110826**

Priority

- FR 1056785 A 20100826
- EP 2011064769 W 20110826

Abstract (en)

[origin: WO2012025630A1] The present invention relates to a method for the catalytic decomposition of N<sub>2</sub>O, in a gaseous effluent containing N<sub>2</sub>O, by passing said gaseous effluent over a zeolite catalyst bed, said zeolite being ferrierite that has been partially or totally exchanged with a transition metal and having an Si/Al ratio of between 20 and 40, at a temperature of between 800 and 900°C.

IPC 8 full level

**B01D 53/86** (2006.01); **B01J 29/68** (2006.01)

CPC (source: EP)

**B01D 53/8628** (2013.01); **B01J 29/68** (2013.01); **B01J 35/50** (2024.01); **B01J 37/0018** (2013.01); **B01D 2255/20738** (2013.01); **B01D 2255/20746** (2013.01); **B01D 2255/50** (2013.01); **B01D 2257/402** (2013.01); **B01J 2229/16** (2013.01); **Y02C 20/10** (2013.01)

Citation (search report)

See references of WO 2012025630A1

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 2012025630 A1 20120301**; EP 2616164 A1 20130724; FR 2964043 A1 20120302; FR 2964043 B1 20130322

DOCDB simple family (application)

**EP 2011064769 W 20110826**; EP 11746591 A 20110826; FR 1056785 A 20100826