Title (en)

METHOD FOR PRODUCTION OF CHLORINE BY GAS PHASE OXIDATION ON NANO-STRUCTURED RUTHENIUM CARRIER CATALYSTS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON CHLOR DURCH GASPHASENOXIDATION AN NANOSTRUKTURIERTEN RUTHENIUMTRÄGERKATALYSATOREN

Title (fr)

PROCÉDÉ DE PRODUCTION DE CHLORE PAR OXYDATION EN PHASE GAZEUSE SUR CATALYSEURS AU RUTHÉNIUM SUPPORTÉS NANOSTRUCTURÉS

Publication

EP 2459312 A2 20120606 (DE)

Application

EP 10732315 A 20100714

Priority

- DE 102009034773 A 20090725
- EP 2010004287 W 20100714

Abstract (en)

[origin: WO2011012226A2] The present invention relates to a method for producing chlorine by gas phase oxidation having a carried catalyst on the basis of ruthenium, characterized in that the catalyst carrier has a plurality of pores having a pore diameter of >50 nm and carries nanoparticles comprising ruthenium and/or ruthenium compounds as catalytically active components.

IPC 8 full level

B01J 23/46 (2006.01)

CPC (source: EP KR US)

B01J 23/46 (2013.01 - KR); **B01J 23/462** (2013.01 - EP US); **B01J 23/62** (2013.01 - KR); **B01J 23/626** (2013.01 - EP US); **B01J 23/63** (2013.01 - EP US); **B01J 23/6445** (2013.01 - EP US); **B01J 23/6447** (2013.01 - EP US); **B01J 23/892** (2013.01 - EP US); **B01J 35/00** (2013.01 - KR); **B01J 35/23** (2024.01 - EP US); **B01J 35/393** (2024.01 - EP US); **B01J 35/40** (2024.01 - EP US); **B01J 35/56** (2024.01 - EP US); **B01J 35/613** (2024.01 - EP US); **B01J 35/635** (2024.01 - EP US); **B01J 35/66** (2024.01 - EP US); **B01J 37/0203** (2013.01 - EP US); **B01J 37/0211** (2013.01 - EP US); **B01J 37/349** (2013.01 - EP US); **C01B 7/04** (2013.01 - EP KR US); B01J 21/12 (2013.01 - EP US)

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 SE SI SK SM TR

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

DE 102009034773 A1 20110127; CN 102711986 A 20121003; EP 2459312 A2 20120606; IN 739DEN2012 A 20150619; JP 2013500145 A 20130107; KR 20120040701 A 20120427; TW 201117880 A 20110601; US 2012148478 A1 20120614; WO 2011012226 A2 20110203; WO 2011012226 A3 20120301

DOCDB simple family (application)

DE 102009034773 A 20090725; CN 201080032588 A 20100714; EP 10732315 A 20100714; EP 2010004287 W 20100714; IN 739DEN2012 A 20120125; JP 2012520932 A 20100714; KR 20127001664 A 20100714; TW 99124240 A 20100723; US 201013384792 A 20100714