

Title (en)

METHOD FOR PRODUCING CHLORINE BY MULTI STEP ADIABATIC GAS PHASE OXIDATION

Title (de)

VERFAHREN ZUR HERSTELLUNG VON CHLOR DURCH VIELSTUFIGE ADIABATISCHE GASPHASENOXIDATION

Title (fr)

PROCÉDÉ DE PRODUCTION DE CHLORE PAR OXYDATION ADIABATIQUE EN PHASE GAZEUSE À PLUSIEURS NIVEAUX

Publication

EP 2170495 A1 20100407 (DE)

Application

EP 08784551 A 20080626

Priority

- EP 2008005184 W 20080626
- DE 102007033107 A 20070713
- DE 102007033113 A 20070713
- DE 102007033114 A 20070713

Abstract (en)

[origin: WO2009010168A1] The invention relates to the production of chlorine, by catalytic gas phase oxidation of hydrogen chloride with oxygen, wherein the reaction is carried out in 18 to 60 serially arranged catalyst beds under adiabatic conditions and a reactor system for carrying out said method.

IPC 8 full level

B01J 8/04 (2006.01); **C01B 7/04** (2006.01)

CPC (source: EP US)

B01J 8/0438 (2013.01 - EP US); **B01J 8/0453** (2013.01 - EP US); **B01J 8/048** (2013.01 - EP US); **B01J 8/0496** (2013.01 - EP US);
B01J 19/02 (2013.01 - EP US); **C01B 7/04** (2013.01 - EP US); **B01J 23/12** (2013.01 - EP US); **B01J 2208/00212** (2013.01 - EP US);
B01J 2208/00548 (2013.01 - EP US); **B01J 2208/00557** (2013.01 - EP US); **B01J 2208/00628** (2013.01 - EP US);
B01J 2208/025 (2013.01 - EP US); **B01J 2219/0236** (2013.01 - EP US); **B01J 2219/0277** (2013.01 - EP US); **B01J 2219/0286** (2013.01 - EP US);
B01J 2219/029 (2013.01 - EP US); **F28D 7/00** (2013.01 - EP US)

Citation (search report)

See references of WO 2009010168A1

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

WO 2009010168 A1 20090122; CN 101687160 A 20100331; EP 2170495 A1 20100407; JP 2010533113 A 20101021;
US 2010260660 A1 20101014

DOCDB simple family (application)

EP 2008005184 W 20080626; CN 200880024532 A 20080626; EP 08784551 A 20080626; JP 2010515373 A 20080626;
US 66897208 A 20080626