

Title (en)  
INTEGRATED METHOD FOR PRODUCING CHLORINE

Title (de)  
INTEGRIERTES VERFAHREN ZUR HERSTELLUNG VON CHLOR

Title (fr)  
PROCÉDÉ INTÉGRÉ POUR PRODUIRE DU CHLORE

Publication  
**EP 2334426 A1 20110622 (DE)**

Application  
**EP 09778753 A 20090929**

Priority  
• EP 2009006983 W 20090929  
• DE 102008050977 A 20081009

Abstract (en)  
[origin: WO2010040459A1] The invention relates to a method for producing chlorine in three steps, wherein in a first step catalytic oxidation of hydrogen chloride into chlorine is carried out on an uranium oxide catalyst, in a second step the resulting chlorine is separated at least partially, and in a third step electrochemical oxidation of hydrogen chloride into chlorine is carried out.

IPC 8 full level  
**B01J 23/12** (2006.01); **C01B 7/04** (2006.01); **C01B 7/07** (2006.01)

CPC (source: EP US)  
**B01J 23/12** (2013.01 - EP US); **C01B 7/04** (2013.01 - EP US); **C01B 7/0743** (2013.01 - EP US); **B01J 35/19** (2024.01 - EP US); **B01J 37/0205** (2013.01 - EP US)

Citation (search report)  
See references of WO 2010040459A1

Citation (examination)  
US 2451870 A 19481019 - RICHARDSON ROGER W, et al

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 MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**DE 102008050977 A1 20100415**; CN 102176967 A 20110907; EP 2334426 A1 20110622; US 2011180419 A1 20110728; WO 2010040459 A1 20100415

DOCDB simple family (application)  
**DE 102008050977 A 20081009**; CN 200980140038 A 20090929; EP 09778753 A 20090929; EP 2009006983 W 20090929; US 200913122490 A 20090929